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Bubble trading  
A year in the  
bond markets  
John Pender, Page 16

Roman conundrum  
Can Italy  
be governed?  
Page 14

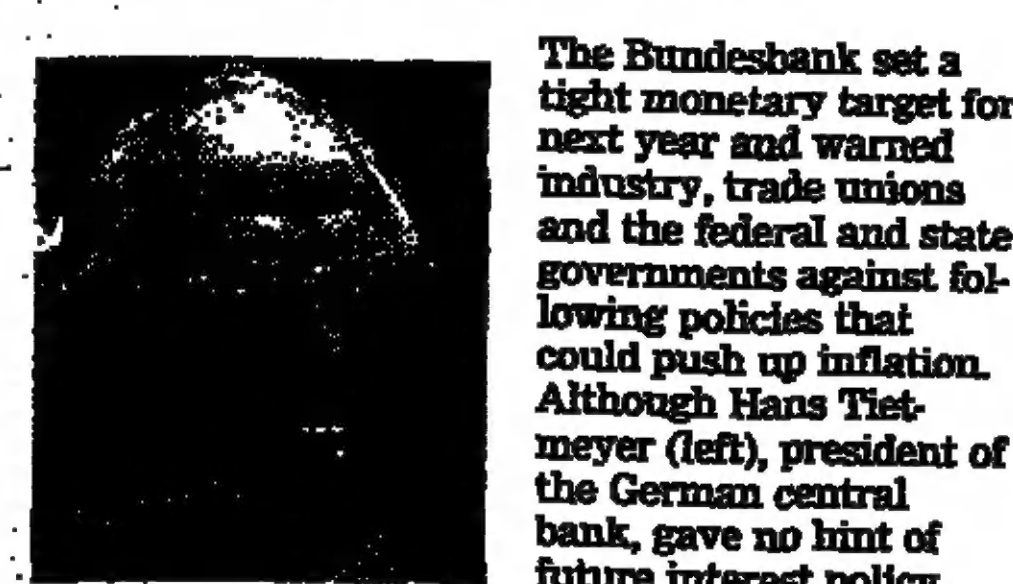
Food, glorious food  
The science of  
the Christmas dinner  
Page 11

TOM BROWN'S  
Weekend FT  
The Pope at twilight

# FINANCIAL TIMES

Europe's Business Newspaper FRIDAY DECEMBER 23 1994 D8523A

## Bundesbank sets tight target to curb inflation



Hans Tietmeyer, president of the Bundesbank, gave no hint of future interest policy.

some economists said the money supply goal for 1995 could only be achieved if interest rates rose. Page 2; Lex, Page 16

**Dow Chemical takes German stake:** Dow Chemical of the US bought a majority stake in east Germany's loss-making former state-owned chemical complex for an undisclosed sum, giving it a strategic position in Germany and eastern Europe. Page 17

**BAT's US takeover approved:** BAT Industries, the British tobacco and financial services group, won US government approval for its planned \$1bn takeover of American Tobacco. Page 17

**Stanhope's shares suspended:** Shares in troubled UK developer Stanhope Properties were suspended after the breakdown of negotiations with banks owed £140m (\$218m). Page 17

**UK has \$246m payments surplus:** Britain's current account balance of payments moved into surplus for the first time in 74 years in the third quarter. The Central Statistical Office confounded expectations of a modest deficit by announcing a seasonally adjusted surplus of \$246m (\$1.32bn). Page 16 and Lex

**Zeneca to buy US healthcare company:** UK biotechnology company Zeneca is to pay up to \$485m for Salick Healthcare, a Los Angeles-based operator of specialist cancer centres. Page 17

**Ukraine secures \$500m loan:** The World Bank approved a \$500m loan to support Ukraine's transition to a market economy. Page 2

**Japan lends China ¥500bn:** Japan pledged ¥500bn (\$5.8bn) of soft government loans for China to help diminish the property gap between poor central regions and fast industrialising coastal cities. Page 4

**Whellock 13% ahead at halfway:** Whellock and Company, Hong Kong holding company for the late Sir Y.K. Pao's listed corporate empire, reported interim profits up 13 per cent to HK\$1.06bn (\$136m) because of exceptional property sales. Page 19

**Thyssen to expand telecoms arm:** German steel-based conglomerate Thyssen plans to spend up to DM4bn (\$2.5bn) expanding its fledgling telecommunications operations. Page 17

**Rhône-Poulenc sells US medicine division:** Rhône-Poulenc Rorer, US-based drugs arm of French chemicals company Rhône-Poulenc, is to sell its north American consumer medicines operations to Swiss rival Ciba in a deal worth up to \$500m. Page 18

**Investment fall hits Japan's recovery:** Japan's weak economic recovery is being constrained by a continuing decline in corporate investment, prime minister Tomichi Murayama warned. Page 4

**UK sells cheap milk to Ireland:** Milk Marque, British farmers' dairy co-operative, sold cut-price milk to Ireland after raising prices in England and Wales by as much as 20 per cent. Page 7

**Dublin to free IRA prisoners:** The Irish government approved the pre-Christmas release of nine IRA prisoners. Page 7

**Mercury cuts international call costs:** Mercury Communications, the UK's second largest public telecommunications operator, cut international call charges for its largest users in reaction to intensifying competition. Page 7

**Pergau aid may have to be repaid:** The UK government could be forced to return some \$24m (\$37.4m) already spent on Malaysia's Pergau dam to the Overseas Development Administration in spite of a recent statement that "the books for previous years are closed". Page 7

**North Korea returns US pilot's body:** North Korea returned the body of a US army pilot killed when his helicopter went down over its territory and indicated that it might release his surviving colleague by Christmas. Page 4

FT STOCK MARKET INDICES			IN STERLING		
FT-SE 100	5,891.7	(+21.3)	London	£	1.545
Yield	4.17		New York Industrials	\$	1,545
FT-SE 100 100	1,247.88	(+7.88)	DM	2.4477	2.4401
FT-SE-A All-Share	1,522.03	(+0.9%)	FF	8.4399	8.4593
Nikkei	19,633.53	(+292.94)	SFR	1.323	
Dow Jones Industrials	2,812.57	(+10.77)	Y	108.35	
S&P Composite	480.22	(+0.81)	£ Index	73.8	(80.2)
US LUNCHTIME RATES			IN DOLLAR		
Federal Funds	5.75%		New York Industrials	\$	1,545
3-mo Time Bill	5.567%		London	£	1.545
Long Bond	7.862%		DM	2.4477	2.4401
Yield	7.862%		FF	8.4399	8.4593
IN LONDON MONEY			IN DOLLAR		
3-mo Interbank	8.15%	(8.4%)	New York Industrials	\$	1,545
Libor 12m 91st future	102.4	(102.4)	London	£	1.545
IN NORTH SEA OIL (Average)			IN DOLLAR		
Brent 15-day (Feb)	\$15.94	(15.93)	New York Industrials	\$	1,545
IN GOLD			IN DOLLAR		
New York Comex (Feb)	\$382.9	(383.4)	New York Industrials	\$	1,545
London	\$381.5	(382.2)	London	£	1.545
			DM	2.4477	2.4401
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## NEWS: EUROPE

## Bundesbank sets tight monetary policy

By Andrew Fisher in Frankfurt

The Bundesbank yesterday set a tight monetary target for next year and warned industry, trade unions and the federal and state governments against following policies that could push up inflation.

Mr Hans Tietmeyer, president of the German central bank, gave no hint of future interest policy, but some economists said the money-supply goal for 1995 could only be achieved if interest rates rose. "The Bundesbank will be forced to act," said Mr Adolf

Rosenstock, Frankfurt-based economist at Industrial Bank of Japan.

The bank set its target range for M3, the broad monetary aggregate, at between 4 and 6 per cent. This is unchanged from 1994, but because of the way the rate is calculated - on an annualised basis from fourth quarter to fourth quarter - it implies a much lower average growth rate of 3.5 per cent after this year's 9 per cent.

Thus, said Salomon Brothers, the US investment bank: "The Bundesbank likely will have to tighten interest

rate policy markedly in the course of the year." It said monetary tightening would be appropriate because of expected higher wage rises, rising import prices and price pressures at the producer level. Official figures yesterday showed a rise of 0.4 per cent in west German producer prices in November over October.

The Bundesbank said its monetary policies in 1995 would be aimed at dampening price growth further and creating monetary conditions for lasting economic growth. It reaffirmed its commitment to M3 as its main policy yard-

stick, despite the extreme growth rates experienced earlier this year.

To encourage funds to move out of short-term deposits (included in M3) into longer-term investments, the Bundesbank cut interest rates earlier this year. Since May, the discount and Lombard rates have been unchanged at 4.5 and 6 per cent respectively.

With an annualised growth rate in M3 of 6 per cent in November, the Bundesbank's money-supply target is now being met. However, the trend has been helped by the introduction of money-market funds

into Germany. If these were included in M3, the November rate would have been 6.9 per cent.

The Bundesbank will improve its monitoring of monetary trends by including these funds into "expanded M3", which also includes traditional M3 (cash, short- and medium-term deposits and savings) and deposits in foreign branches of German banks.

The M3 target range allows for potential economic growth of 2.75 per cent and inflation of 2 per cent - the Bundesbank's medium-term goal - with 1 per cent to allow for a slowdown in

the velocity of money in circulation. Mr Tietmeyer said money supply was more than adequate after this year's strong increase.

He said the bank's anti-inflationary stance needed government support in reining back spending, and from wage negotiators in reaching moderate settlements. He warned companies contemplating high price rises that "the monetary conditions will not be created for this". Although the Bundesbank's inflation goal was 2 per cent, he said he would like to see the rate lower. See Lex.

## Ukraine secures \$500m loan

By Matthew Kaminski in Kiev

The World Bank yesterday approved a \$500m loan to support the transition to a market economy in Ukraine.

The aid, for essential imports, came after the former Soviet republic committed itself to free more prices, revive mass privatisation, and reform the ailing agriculture and energy sectors.

The bank's decision follows the International Monetary Fund's endorsement of President Leonid Kuchma's economic reform efforts with a \$371m loan in October.

Talks on a \$1.5bn standby loan continue next month, with disbursement possible as early as February, Ukrainian aid officials said.

While the quick disbursements reflect an effort to help Mr Kuchma's efforts to avert Ukraine's economic crisis, aid officials remain concerned about implementation.

Under the IMF deal, Ukraine agreed to pay for energy imports but the failure to cover Turkmen gas imports this quarter sparked a row within the government. The energy minister last week was sacked by Mr Kuchma, who promised to pay Turkmenistan, but even then, the funds slated for imports were diverted.

Under the bank loan, the largest amount of western assistance so far, Ukraine committed itself to sell 8,000 medium and large enterprises and 90 per cent of small enterprises. A voucher scheme will be used at pilot auctions, scheduled for February 1, which allows Ukraine to get around parliament's moratorium on cash privatisation.

These steps face resistance from Ukraine's conservative ministries and parliament. To gain more control over the reform process, Mr Kuchma proposed centralising authority with the president. The law was debated in parliament yesterday. Mr Kuchma told deputies: "Without radical political changes, radical economic reforms are impossible. If the parliament cannot agree to this, I will have to ask the people directly, through a referendum."

## Palace guard is power behind Yeltsin's throne

By John Lloyd in Moscow

General Alexander Korzhakov is the most powerful secret policeman in the world.

Head of President Boris Yeltsin's personal guard, he has been revealed - by the leaking in yesterday's FT of a letter he wrote to Mr Victor Chernomyrdin, the Russian prime minister, instructing him to review

agreements he had made with the World Bank - as an official who acts on his own authority in the core decisions on the Russian economy. For a man who was until the early 1990s a middle ranking officer in the KGB, this is a remarkable rise. It is also a disturbing one.

General Korzhakov's influence stems from his closeness to the president and from his command of a guard which has swollen to a force of several thousand, comprising elite detachments trained in anti-terrorist warfare and intelligence operations. All major states have such forces but they are generally distanced from ministerial decisions, are under some form of legislative oversight and are increasingly obliged to present an account of their activities to the public.

General Korzhakov answers to President Yeltsin alone. If his actions are masked, his influence is an open matter. He has for the past year featured

among the top 20 most influential figures in Russia, published monthly in the daily Nezavisimaya Gazeta. President Yeltsin himself named him in his recent memoirs as his closest and most trusted aide, and as a friend.

Assigned to Mr Yeltsin as his KGB guard when the latter joined the politbureau in 1987, Lieutenant Colonel Korzhakov stayed with Mr Yeltsin in his wilderness years after 1988, when he was ejected from the politbureau and left the Communist party.

He suffered too. He was fired from the KGB's ninth department (the politbureau guards), being promoted to colonel only when Mr Yeltsin became head of the Russian Supreme Soviet. After the latter was elected president of Russia, he was promoted again, to major general.

General Korzhakov's presidential security service was then part of the main guard department, the force commanded by Lieutenant General Mikhail Barsukov. According to the Kommersant daily, which researched the force a year ago, it already comprised the presidential guard, a motorised rifle brigade, the former KGB ninth department, part of the KGB's fifth department which had specialised in spy-



General Alexander Korzhakov receiving a medal from Yeltsin last year

ing on dissidents, elements of the KGB's technical operations department and the elite anti-terrorist forces named Alpha and Vypel.

In his only (uninformative) interview, given to Nezavisimaya Gazeta on November 16 this year, General Korzhakov revealed that the presidential guard had for the past year not been under the control of General Barsukov's main guard department.

"In November 1993," he said, "its status was raised - the service left the main guard department and received greater independence in dealing with day to day issues which did not contradict the existing legislation. In accordance with the will of the president," General Korzhakov did not refer to a decree or law conferring this independence

on his department. Asked by the interviewer what his basic function was, he said the most important part of it was acquiring information on any threat to the security of the president.

"We invest this part of our work with the greatest importance, and we certainly pay particular attention to any information touching on the spheres of our interests."

General Korzhakov is coming more and more into the limelight - a position he will not like. It is rumoured he made the decision Mr Yeltsin should not be taken to meet Mr Albert Reynolds, the then Irish prime minister, at Shannon airport in September.

Earlier this month, members of his service arrested and beat up the head of the personal guard of Mr Vladimir Gusin-

sky, chairman of the Most finance group, outside the group's headquarters in central Moscow. The reason they gave was Mr Gusinsky's guard was armed, and travelling on the route taken by the president. The incident's explanation was it was designed to frighten Mr Gusinsky, and through him his close ally, Mr Yuri Luzhkov, the powerful mayor of Moscow, seen as a competitor to Mr Yeltsin.

These palace intrigues reflect an administration with no strong centre, but with secretive barons acting in the name of the titular head. Mr Yeltsin, only just out of a clinic, is thought to work relatively few hours a day. In his absence, the running of the office falls on those who enjoy his greatest trust. General Korzhakov is chief among them.

## Political interference in Hungarian privatisations angers foreign investors

By Virginia Marsh in Budapest

Foreign investors who hoped Hungary's new Socialist-led government would carry out its election pledge to speed up and clean up privatisation, the sale of Hungary's hotels, the last state hotel chain, has not been an auspicious start.

First came political pressure to ignore an international tender and hand over the hotels chain to the cash-strapped social security fund. Then there were poorly-handled negotiations in which the top bidder was abruptly asked to raise its price by 15 per cent at the last moment after already outbidding its nearest rival by more than 20 per cent. Just when a deal was finally struck last week, the prime minister called an investigation into the sale. The investigation team is due to report by today.

The controversial sale comes just as Hungary, the pioneer of market-led reforms in eastern Europe, is preparing to privatise several of its largest companies, including most of its energy sector.

One banker said: "This deal has been deeply disturbing. It makes me think we're in for a bumpy road with this government in the future. If they can't sell a hotel chain, will they part with their gas and electricity companies?"

A much-publicised bid which will radically alter privatisation strategy and merge the

State Property Agency (SPA) and the State Holding Company (SHC), the two main privatisation bodies, was due to be discussed by parliament this autumn. It is now unlikely to be passed before March. The uncertainty this has created has demoralised and weakened both institutions. Several key members of staff have left for more lucrative jobs in the private sector. Others, such as Mr Lajos Csepi, former head of the SHC, have been sacked. Advisers say quality has suffered and some of the privatisations under way are being poorly prepared.

The privatisation of Gyotex, a dairy in Győr in north-western Hungary, in which foreign investors lost out to local bidders backed by the ministry of agriculture, shows the pitfalls that await foreign bidders.

After a competitive tender, the dairy was awarded to a consortium of the investment arm of Budapest City Council and 27 farming co-operatives from Fejér County. The decision was made against the advice of case officers in the agriculture ministry and the SPA and after the consortium was allowed to raise its price at the last moment without the foreign investors being offered the same option.

The losing bidder for the dairy was Konzum, a listed Hungarian company owned by foreign institutional investors. Its bid also included the dairy's management and milk produc-

ers from the Győr region.

The two groups prepared their bids just as the new government was drawing up its privatisation strategy. This emphasised cash sales to strategic partners would be preferred over other forms of privatisation. It also pledged to provide more investment opportunities for holders of compensation coupons (CCs) which were issued to victims

"We're in for a bumpy road with this government. If they can't sell a hotel chain, will they part with their gas and electricity companies?"

of the former communist regime. The coupons, which trade on the secondary market for less than half their official value, can be used in privatisations for the full nominal value.

Konzum says senior SPA and ministry of agriculture officials told it a strong element of cash, as well as a good business plan and the inclusion of the management in its bid would help it win the tender. Therefore rather than offering a bid totally in CCs, it bid 38 per cent in cash and the rest in coupons. It also offered an

immediate cash injection of Ft200m (\$2.7m) for the dairy which is heavily indebted. The business plan was evaluated by the SPA at 11 out of 15.

The winning consortium offered just CCs and a future Ft180m share offering which was less than the Ft200m capital increase stipulated in the tender documents. Its business plan scored 1 out of 15.

This consortium won because, with CCs taken at nominal value, its bid for the 51 per cent stake was Ft658m. Konzum's bid was Ft527m. However, if Konzum had used its cash portion to buy CCs its offer would have been worth Ft758m. This led the case officer in the agriculture ministry to conclude the two offers "cannot be compared realistically". Given the many other factors in Konzum's favour, the case officer recommended it be awarded the dairy.

This recommendation was overruled at a higher level in the ministry. Moreover, in the two days before a final decision was taken, the consortium was unilaterally allowed to raise its price to Ft758m even though this is against SPA internal rules. Konzum says it was not given the chance to alter its bid or raise its price.

In explaining the move, Mr Erno Racz, an SPA deputy managing director, said the decision was taken for "very important political reasons". The government had to honour its pledge to allow CC holders

to use the coupons at full value for good assets and the consortium had offered more in CC terms. Original holders of CCs should be preferred over the "financial speculators" who bought them up on the secondary market.

He said a capital increase via a share offering was preferable to Konzum's cash injection as a "foreign investor could take its cash out of the company whenever it wanted".

Further, he said the privatisation authorities were under pressure to find local buyers for companies in the food industry and in Győr county which borders Austria. He said Austrian companies, which have invested heavily in the region, had a "dangerous influence" in the county.

"There have been questions in parliament demanding how we could let the whole food industry fall into the hands of foreigners," he said. "What was more important - to allow Hungarian co-operatives to win the tender or to get some millions of forints and generate a political storm in Hungary?"

This last statement has led Konzum, which has spent more than \$100,000 in advisers' fees on its bid, to ask why the tender was open to foreign investors. Mr Albert von Pappenheim, chairman, said: "We expected more from the new government. We have not been treated fairly or legally. Why on earth should we invest more money in this country?"

## EUROPEAN NEWS DIGEST

## Bosnia near to ceasefire deal

Bosnia's Muslim-led government appeared to be close to a comprehensive ceasefire with the Bosnian Serbs yesterday, despite a mortar attack that killed two men in Sarajevo. Mr Yasushi Akashi, the top UN official in former Yugoslavia, said the two sides were "pretty close to the final agreement" on the text of the ceasefire, brokered this week by Mr Jimmy Carter, the former US president.

The two sides have set a January 1 deadline to hammer out the details of the agreement. The mortar shell exploded near the main open market in Sarajevo, where 68 people were killed by a mortar in February in the worst single atrocity of the 33-month war.

The mortar appeared to have been fired from a Serb-held area. UN spokesman, Mr Michael Williams said it appeared to have come from the Grahovica area of the city "which is basically in Serb hands". *Laura Silber, Belgrade*

## EU completes pact on borders

After years of delay caused by worries about crime and waves of refugees, border controls within Europe will be eliminated next March 26 - at least in seven of the 12 members of the European Union. The accord "is a historic step on the way to full freedom of movement in all Europe and means an increase in security for our citizens", Mr Bernd Schmidbauer, the German minister responsible for European affairs, said yesterday in Bonn. Ministers from the participating countries met in Bonn to complete the accord, which means that inner-European border controls, which already have partly disappeared in the North Sea. The participants are Portugal, Spain, France, Germany, Luxembourg, Belgium and the Netherlands. Italy and Greece have said they will join when they overcome technical problems. The only EU members not in the pact are Britain, Ireland and Denmark. Austria, one of three countries joining the EU in 1995, is expected to accept the elimination of border controls with EU countries, but the others, Sweden and Finland, will not. With the open-border deal comes a computer network giving the participants access to one another's police and immigration files so that car thieves, for instance, will not be the main beneficiaries of the lack of border controls. *AP, Berlin*

## Schäuble reveals split in France

Mr Wolfgang Schäuble, leader of Germany's Christian Democrats in the Bundestag, said yesterday he was in a "close consensus" on European Union reform with France's centre-right Union for French Democracy (UDF), but was still "not in harmony" with the Gaullist RPR party, which considered German conservatives' reform plans too supranational. Mr Schäuble told a press conference that he had carefully avoided the words "federation" or "confederation" in his talks with French politicians, who had initially reacted badly to the Schäuble-Lamery plan earlier this autumn which described the European Commission as an embryonic European government. Nonetheless, the leader of the Bundestag conservatives insisted that the EU had certain "qualities of a state", and said that Bonn's desire for an important role for the Strasbourg parliament and the Brussels Commission would be "among the hardest issues" in its relations with Paris. Mr Schäuble's remarks yesterday underlined the degree to which European policy will divide the UDF and RPR in the French presidential election. *David Buchan, Paris*

## Turkish reform party emerges

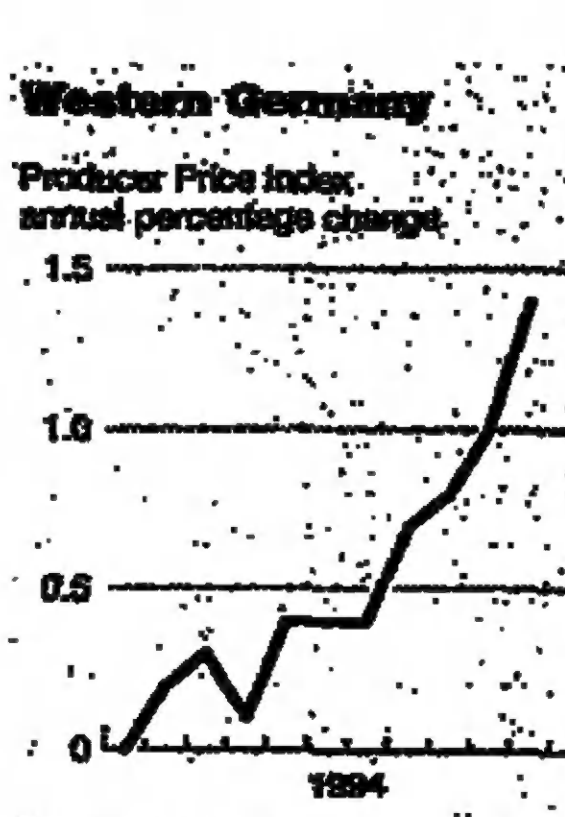
A 38-year-old liberal Turkish millionaire yesterday launched a new political party promising many of the reforms Turkey's international critics are demanding. Mr Cem Boyner, heir to a textile fortune, promised that if elected, his New Democracy Movement (YDE) would dismantle the government's stifling political and economic control apparatus. He also said he would open talks to end 10 years of fighting with the Kurds in south-east Turkey. Although a political novice, Mr Boyner is well known as a former head of the TUSIAD business association and last week ranked third in an opinion poll, with 14 per cent support. Elections are not due until 1996, but Prime Minister Tansu Ciller's weak government could collapse well before then. *John Barham, Ankara*

## Ariane launches resume soon

Arianespace, makers of western Europe's Ariane rocket, said yesterday that flights would resume in February 1995 after the December 1 failure of an Ariane rocket which crashed into the Atlantic Ocean. Mr Charles Bigot, Arianespace chairman, told a news conference: "We hope to limit the delay in our programmes to two months... to resume launches before the end of February." *Reuter, Burg, France*

## ECONOMIC WATCH

## W German factory prices up 1.4%



West German producer prices rose 0.4 per cent in November from October and were up 1.4 per cent compared with November 1993, the federal statistics office reported. The November figures are higher than the consensus forecast of a 0.1 per cent gain in the month and a 1.1 per cent year-on-year rise predicted in a survey of analysts.

The year-on-year rise in French housing starts quickened in the three months to the end of November compared to the year-on-year rise in the quarter to end-October, according to figures from the Housing Ministry. Housing starts from September to November were up 14.2 per cent on the same period a year earlier, at 76,300 homes. The August to October period's rise had been 13.4 per cent, or 69,400 homes.

Norway's unemployment rate rose to 4.6 per cent in December compared with 4.4 per cent in November and 5.3 per cent for the same month last year, according to the Labour Directorate.

Gross domestic product in the Czech Republic was up 2.1 per cent in the first nine months of 1994 compared to the first nine months of 1993, in constant prices.

## US ups Canada on culture

By Bernard Simon in Toronto

The US and Canada have agreed to a new cultural agreement, which will allow the two countries to share cultural resources. The agreement, which was signed yesterday, will allow the two countries to share cultural resources. The agreement, which was signed yesterday, will allow the two countries to share cultural resources.

## Japanese ready for US pension demands

By Emiko Terashima in Tokyo

Japan's government is ready to meet US demands for a pension agreement, which would allow the two countries to share cultural resources. The agreement, which was signed yesterday, will allow the two countries to share cultural resources.

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## US upset as Canada acts on culture

By Bernard Simon in Toronto

The US and Canada are at odds over Ottawa's efforts to protect Canadian magazines, television services and cultural institutions. The Canadian government was expected yesterday to impose an 80 per cent excise tax on advertising revenues from magazines which are published in the US but beamed electronically to Canadian printing plants.

The move would be specifically directed against Time Warner, the US entertainment and publishing group which took advantage of a loophole in Canadian trade laws last year to combine Canadian advertising and US editorial content in a low-cost local edition of Sports Illustrated. Other US magazines, which dominate Canadian news stands, have been closely watching the Sports Illustrated experiment.

US trade officials say Canada's most recent moves on cultural protectionism represent "a disturbing trend". Mr Mickey Kantor, US Trade Representative, is expected to announce he will work closely

with the US industry on all options, including retaliation.

Ottawa secured an exemption for the cultural sector from the 1989 US-Canada free trade agreement. But the US may retaliate against any new protective measures to an equivalent commercial value.

Washington is also angered by a Canadian regulatory ruling earlier this year to withdraw a licence granted to a US cable-TV channel, partly owned by Westinghouse Electric. Cable operators are due to replace the US channel with a Canadian country music service on January 1.

Although they voraciously tune into US television stations and read US publications, Canadians are highly sensitive to any perceived threat to their cultural institutions. "The Americans simply see it as a product and entertainment," Ms Catherine Keachie, director of the Canadian Magazine Publishers Association said yesterday. "Canadians are quite clear that we have to have our own books, films and magazines to maintain a unique culture."

## Row over Treuhand's flagship railway sale

East Germans say rolling stock group is being sold too cheaply, says Judy Dempsey

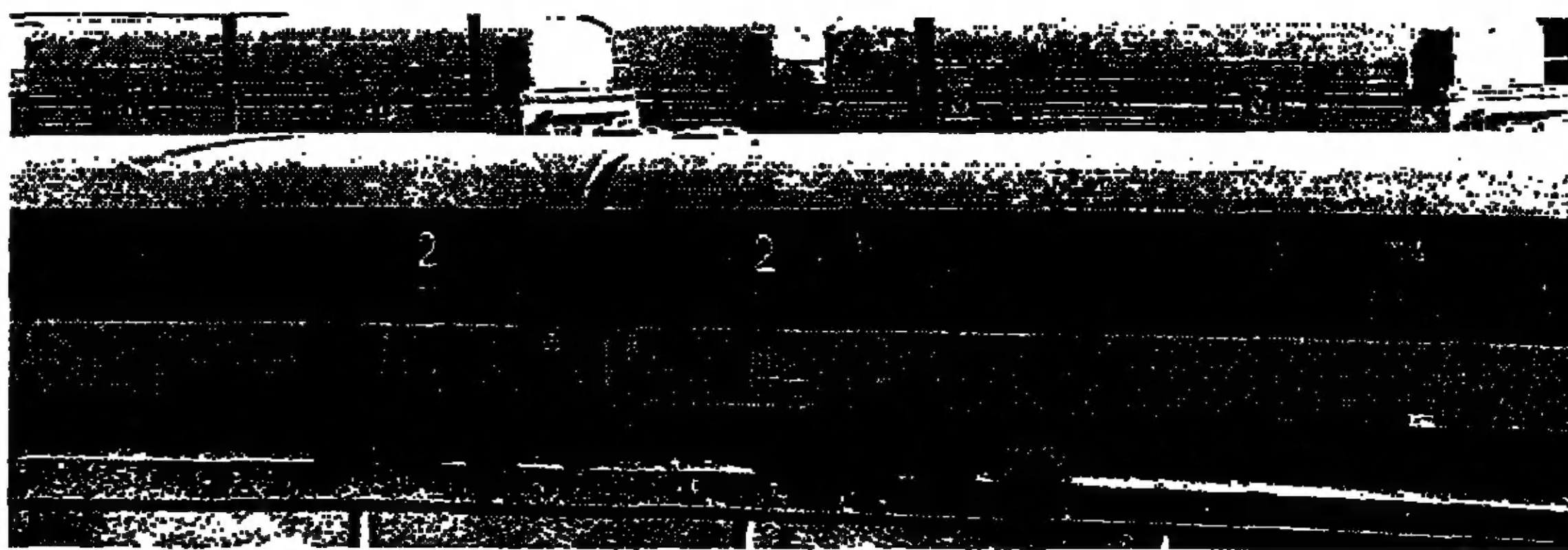
The collapse of Russian and east European markets continues to haunt Deutsche Waggonbau (DWA), the giant manufacturer of railway rolling stock and one of the last industrial complexes under Germany's Treuhand privatisation agency.

Once flagship of the former communist East Germany, the enterprise built 23,000 wagons for the Russian market after 1945. "We were entirely dependent on exports to Russia," says Mr Peter Witt, DWA chairman.

Over nearly 40 years, DWA expanded rapidly. By 1989, turnover had exceeded DM2bn (\$1.37bn) and the future of the 24,500 workers seemed secure. But the union of the two Germanys in 1990, followed by the collapse of Comecon, the socialist trading organisation, entirely changed the circumstances of the enterprise.

"Gradually the orders to Russia dried up," says Mr Hans-Joachim Ratsch, deputy head of the workers' council at DWA's plant at Ammerdorf in Saxony-Anhalt. "Russia has no money to pay for its orders. We have to find new markets. But time is running out." The Ammerdorf plant reduced its work force from 4,700 before 1990 to 1,800 today. A further 800 jobs will be lost over the next few years.

In an attempt to save DWA, one of the few remaining manufacturing outlets in eastern Germany, the Treuhand and the finance ministry allocated substantial aid to the company. Since 1991, DWA has received credits



DWA-built rolling stock pictured in Berlin

amounting to DM4bn to help find new markets. A further DM250m was earmarked for investments, and last September an additional DM500m was allocated to provide liquidity. In the meantime, the total workforce has been reduced to 6,500, which DWA officials admit is still too large.

The collapse of the Russian and east European markets and exposure to competition has seriously affected DWA's turnover. Sales this year will amount to about DM800m and losses will rise to DM45m. Turnover is expected to slip to DM500m during 1995, unless there is any positive shift in the Russian market.

But the collapse of the eastern markets, coupled with overcapacity in the railway manufacturing industry, has in turn also made it difficult for the Treuhand to find a buyer for DWA.

For political and social reasons, the Treuhand could not afford to close down DWA completely. Nor could it split it up into separate entities and sell each one off. Instead the Treuhand opted for privatising it as a whole. Mr Witt denies this policy delayed the sale of DWA.

"DWA could not exist as a name or as a company if it was split up and sold off in separate parts," says Mr Witt, adding that this was exactly what several west German companies wanted. "The big western companies were afraid of DWA becoming competitive."

But now, after 38 companies have looked at but shied away from the sheer size of DWA, the Treuhand is confident it has found a buyer. Advent International, the US-based venture capital investment group, is

drawing up a contract with the Treuhand to buy five of the remaining eight subsidiaries of DWA.

According to DWA and Treuhand officials, Advent will buy 100 per cent of DWA, will take Siemens, Germany's largest electronic and electrical company, as its technological partner, and will eventually list DWA on the stock exchange, possibly by 2005. Advent is not prepared to comment until the contract is signed and sealed.

But the purchase price - and the number of workers Advent intends to retain - have caused a political row in eastern Germany. DWA officials confirmed this week that Advent will pay, over time, DM112.8m for DWA, will guarantee 2,400 jobs, and invest DM250m.

"We have not given away DWA to

Advent," says Mr Witt. "This is no present. We have found a buyer which will allow us to pursue our strategy of finding markets, introducing new products and become competitive." Mr Witt also insists that Advent will pursue "a hands-off" management style and will not interfere in the company.

Consultants involved in the negotiations between DWA and the Treuhand contest this view. "Advent is answerable to its investors, it manages those funds on behalf of its institutional investors, who in turn will expect a return on their investment," the consultant says. "Moreover, Advent is a hands-on investment group. If the management of DWA thinks otherwise, it is mistaken."

Despite the differences in expectations of management style, Mr Witt remains confident that DWA can be turned around by Advent. He says DWA, against strong competition, has won orders from Berlin to build carriages for the city's train system, and is co-operating with Siemens, AEG and other companies. But he also knows that any big improvement in turnover, and attempts to save more than 2,400 jobs, will depend on receiving large orders from Russia. On that point, few at DWA, or the Treuhand, are hopeful.

"If we want to survive and prosper, we have no other choice but to become competitive in the European markets. I think it can be done. But I know we have to rationalise even further," says Mr Witt.

## Japanese ready for US pension demands

By Emiko Terazono in Tokyo

Japan's financial authorities are preparing to meet US demands that Tokyo open the management of its state pension fund. The authorities are putting together a proposal to present to the financial service negotiations between the two countries which will be held in Seattle next week.

The US government has long been lobbying for the Japanese government to allow investment advisory companies to enter the country's ¥20,000bn (\$300bn) public pension fund market, currently limited to life insurers and trust banks. The issue has been a centrepiece in the financial service negotiations which form part of continuing US-Japan framework talks on bilateral trade.

In 1990, investment advisory companies were allowed into the private pension fund market but foreign managers have failed to make a significant breakthrough because of business practices based on long-term relationships.

The Ministry of Health and Welfare, which governs the state pension fund system, has also been calling for deregulation in order to diversify fund investments. However, it has come up against the Ministry of Finance which regards itself as the bastion of prudent investments for state funds and which has opposed deregulation, citing the possible increase in stock investments regarded as high-risk.

The Japanese government is keen to reach an early settlement of the financial service talks before Prime Minister Tomichi Murayama's visit to the US scheduled for early January. "An earlier settlement is highly desirable, although we are not promising to conclude the talks within this year," Mr Masayoshi Takemura, finance minister, said yesterday.

Details of the finance ministry's proposal are expected to be revealed early next week. Local papers have reported that finance ministry officials intend to allow investment advisory firms into the market by setting up an "investment union" with a trust bank.

## EU clears trade round

European Union ministers yesterday formally cleared the Uruguay Round trade accord for ratification, rubber stamping a decision taken earlier this week, writes Emma Tucker in Brussels.

The move allows the EU to send the necessary papers to Geneva on December 30, meeting an end-of-year deadline allowing Gatt's successor, the World Trade Organisation, to be set-up on January 1, 1995. Commission officials are confident all member states will have completed ratification in national parliaments by December 30. One said that by this weekend only Portugal, Spain and Greece would still have to complete the domestic approval process. The package includes tariff cuts on industrial and farm goods by an average of over 35 per cent.

## Kazakh gas field deal in sight

An agreement between Kazakhstan, Russia and a western consortium to develop the giant Karachaganak natural gas field in Kazakhstan could be signed as early as the middle of next month, according to officials close to the negotiations.

Talks in Almaty between British Gas, its Italian partner Agip and the Kazakh government are reported to have made progress in recent weeks. But detailed negotiations due over the next few weeks between the western companies and Gazprom, the Russian state gas monopoly, must be concluded before a final agreement can be signed.

Kazakh officials had hoped that the talks would have been concluded by last week, but a number of issues remain to be resolved. The next round of negotiations are likely to focus on the terms of Gazprom's participation in the project and arrangements for the transport of Kazakh gas and liquid condensate, a naturally occurring gasoline, across Russian territory. British Gas and Agip have had the exclusive right to negotiate a contract to develop Karachaganak since 1992. Original plans did not include direct Russian participation. But in recent months it has become apparent that Russia wants equity participation in all main energy projects planned in the former Soviet republics.

Gazprom discovered and partially developed Karachaganak during the Soviet era. The field contains proven reserves of 1,300bn cubic metres of natural gas, 650m tonnes of condensate and 200m tonnes of oil. Robert Corzine, London

■ Toyota Motor Corp will set up a China project division on January 1, 1995, with an initial staff of 20. Toyota is working to set up a technical centre in Tianjin, Hebei province, in January 1995 to promote product development and transfer of technology to Chinese car makers. *Reuters, Tokyo*

■ The international cellular infrastructure division of Motorola has won a \$12m contract to expand and upgrade analogue cellular systems in Heilongjiang Province. *Reuters, Arlington Heights*

■ Bombardier, the Canadian aerospace and transit equipment group, will build 95 commuter rail cars for New Jersey Transit under a \$415m (\$110m) contract, with the work carried out in Quebec and Vermont. *Robert Corzine, Montreal*

■ AEG, the electronics division of Daimler-Benz and electronics group Siemens have won an order worth DM350m for 120 urban rail cars from China. *Reuters, Berlin*

■ The US petrochemical company Du Pont Comoco plans to build up to 150 western-standard petrol stations in Poland at the cost of about \$300m within six years. *Reuters, Warsaw*

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## NEWS: INTERNATIONAL

## Tokyo to lend China Y580bn

By William Dawkins in Tokyo

Japan yesterday pledged Y580bn (US\$4.7bn) of soft government loans for China and sent a visiting Chinese delegation home with a lecture against nuclear testing.

The cash, to be disbursed over the three fiscal years starting in April 1996, is to help China reduce the prosperity gap between poor central regions and fast industrialising coastal cities.

It is far less than the Y700bn the Chinese government was asking for in the two days of negotiations which ended yesterday. But it represents an increase, per year, over official

aid under Japan's current five-year Y810bn programme for China, ending in April 1996. China wanted another five-year package this time, rather than a three-year one.

The Japanese government cited the fall in its budget revenues as the reason for being unable to comply. Yet this reflects a growing body of opinion in Tokyo for fresh loans to China to be conditional on clearer information about its military spending and an end to nuclear testing. Two Chinese underground nuclear tests over the past year have alarmed Tokyo.

Mr Hiroshi Hirabayashi, director-general of the Foreign

Ministry's economic co-operation (aid) bureau, reminded Chinese officials that the aid rules oblige Japan to take account of recipient countries' military trends. More nuclear tests could "negatively affect" Japanese public support for loans to China, he warned.

The Chinese delegation understood Japan's sensitivities but said it opposed making aid subject to political conditions. Loans for the following two years will be decided in another set of negotiations. The latest loans are repayable over 30 years, with a 10-year grace-period and an annual 2.6 per cent interest rate.

The loan package, the fourth

since Japan reopened diplomatic relations with China in 1972, is to fund 40 projects, stipulated in the aid agreement signed yesterday.

They include measures against air pollution, a problem that affects Japan in the form of acid rain from Chinese coal-fired power stations. Improvements to Chinese water supplies and rural infrastructure are also stipulated.

This environmental slant marks a change from Japan's previous aid policy for China, which focused on improving industrial infrastructure such as ports and dams - a job now largely completed in the rich southern coastal areas.

## N Korea returns body of US pilot

North Korea yesterday returned the body of a US army pilot killed when his helicopter went down over its territory at the weekend and indicated that it might release his surviving colleague by Christmas, writes John Burton, Seoul Correspondent.

The delay in the return of the crew has been caused by North Korean suspicions regarding the US claim that the helicopter strayed accidentally into its air space, according to a US congressman who conducted "intensive, heated and hectic" negotiations on the issue during five days in Pyongyang.

"They were worried about conspiracy theories and acceleration of tension. But I think it's been proven to them that it was an accident," said Mr Bill Richardson, a Democratic representative from New Mexico. The US has been pressing North Korea to release the crew quickly to avoid jeopardising the recent accord to dismantle the North's nuclear programme in exchange for diplomatic ties with Washington.

## International airport for Moi's home town

Project draws criticism over priorities, writes Leslie Crawford

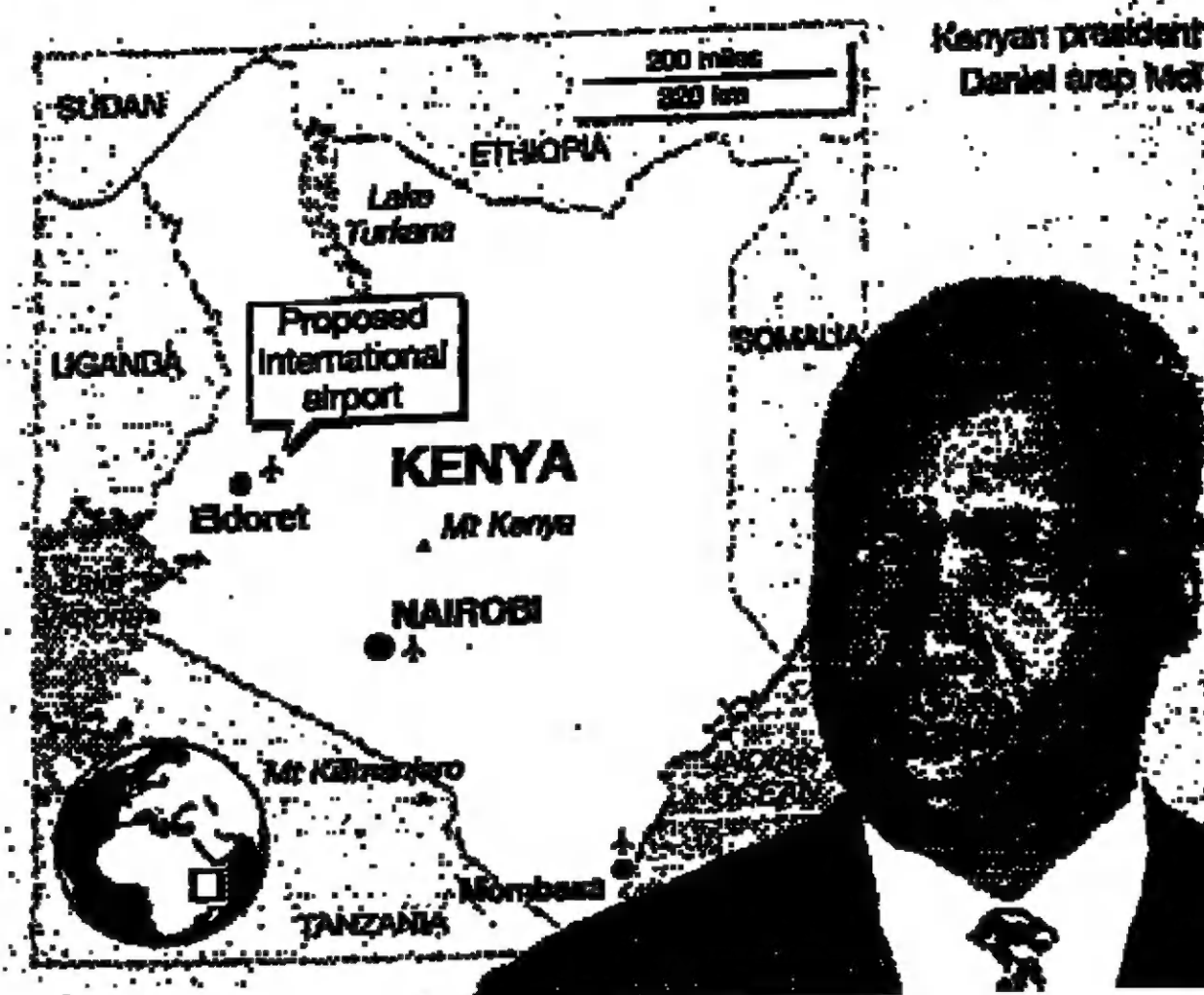
Kenyan president Daniel arap Moi's home town - Eldoret, population 112,000 - is to get an international airport, built by a Canadian company at a cost of KSh7.7m (\$84m).

Eldoret, a sleepy market town surrounded by maize fields in the Rift Valley, already boasts a university (named after Mr Moi). Its international airport will be the third largest in Kenya, after Nairobi and Mombasa.

SNC-Lavalin-Group of Montreal says it expects to begin work on the two-year project on January 5. "The work includes construction of a 3.5km runway suitable for aircraft such as the Airbus A-310, a 2,400 sq m terminal and a 38 metre-high control tower," the company says.

"SNC-Lavalin will also construct ancillary buildings and a freight warehouse with a refrigerated section."

Eldoret does not figure on Kenya's tourist circuit, nor is it well known as a hub of economic activity.



But the town has been blessed with good communications and some of the best roads in the country, because it lies at the heart of Kalenjin country, President Moi's tribal homeland.

News of Eldoret's new airport has caused an outcry in Kenya. Its cost is equal to about half the health ministry's annual budget, and some Kenyans question the government's spending priorities at a time of fiscal austerity demanded by the World Bank and International Monetary Fund.

"The airport does not make a shred of economic sense," Mr Robert Shaw, a private Kenyan economist and critic of the government, said yesterday.

He believes the money would be better spent on improving Mombasa's primitive airport, which handles tens of thousands of tourists each year, or on rebuilding the Mombasa-Nairobi highway, the country's most important economic artery. Traffic on the road ground to a halt this week after heavy rains washed out an entire section of the route.

Ms Christine Wong, of the Canadian High Commission, said yesterday the project would not be funded with Canadian aid.

"The contract was negotiated between a private Canadian company and the Kenyan government. The Canadian government was not involved," she added.

## Investment fall hits recovery

Japan's economic recovery is being constrained by a continuing decline in corporate investment, Mr Tomiichi Murayama, the prime minister, warned yesterday, writes William Dawkins.

The economy was out of the tunnel, thanks to a pick-up on corporate profits, personal consumption and housing investment. Yet structural problems remained.

Mr Murayama's analysis was borne out by the latest batch of economic statistics yesterday, showing recovery overshadowed by a further, though decelerating, fall in corporate capital spending.

Investment in plant and equipment fell an annualised 9.5 per cent in the three

months to September, making a record 11 consecutive quarters of decline, the Finance Ministry's latest survey of 24,000 companies shows.

Officials think the capital investment fall may be bottoming out, from a much steeper 16.8 per cent decline in the previous quarter. In previous recoveries, capital investment has recovered strongly.

One reason for mild optimism is the recovery in pre-tax profits uncovered by the survey. They rose 28.9 per cent in the three months to September, from a year earlier, the first such rise in four years. This compared with a 0.2 per cent drop in the previous quarter.

Japan's Economic Planning Agency said its monthly index of business conditions continued upwards.

The EPA's coincident index, a basket of indicators measuring business conditions, stood at 70 in October, up from 60 in the previous month. It is the third month the index has stood above 50, the divide between growth and decline, and clear evidence the economy is recovering, the EPA said.

The leading index, a pointer to conditions six months ahead, fell from 58.3 in September to 50 in October, breaking a nine-month period when it had hovered above the dividing line.

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WHERE DO YOU WANT TO GO TODAY?

## INTERNATIONAL NEWS DIGEST

## Three Indian ministers quit

Three scandal-tainted Indian ministers resigned last night, clearing the way for Mr PV Narasimha Rao, the prime minister, to try to improve the ruling Congress (I) party's corruption-tarnished image. Mr B Shankaranand, the health minister, and Mr Rameshwar Thakur, the rural development minister, stepped down following intense criticism of their roles in the 1992 Bofors (\$816m) Bombay securities market scandal. Mr Kalpana Rai, the food minister, resigned after he was condemned in a government report into the handling of a massive sugar shortage earlier this year.

Their resignations come after two weeks of persistent attacks from Congress MPs, who were prompted into action by the party's serious defeat in recent state elections in which corruption allegations cost the party many votes. MPs put pressure on Mr Rao to act quickly because the party faces another round of state polls in February and a general election which is due to be held by mid-1996. But the three ministers held out, saying they had done nothing wrong. Arguments about their fate dominated politics in New Delhi for the last fortnight and provoked furious rows in parliament between government and opposition leaders. Mr Rao hopes the resignations will help stop in-fighting in Congress and encourage ruling party MPs to unite in advance of the next round of polls. *Stefan Wagstyl, New Delhi*

## S Korea boosts investment

South Korea yesterday announced measures to encourage stock investments as part of the government's programme to cut the dependence of companies on bank loans as their main source of finance. The government wants companies to increase the raising of capital on financial markets to weaken family ownership of the country's leading conglomerates and ease the financial burden on the banking system, which is suffering from many non-performing loans. All listed companies, excluding financial firms, will be allowed to raise won300bn (\$242m) in new share issues annually, up from won200bn, beginning January 3, the first trading day in 1995. Any listed company will be allowed to raise paid-in capital by up to 50 per cent if it posted a net profit in the previous financial year. Instead of the more rigorous requirement of achieving at least a 5 per cent return on paid-in capital. Financial requirements for companies wishing to go public have also been relaxed. *John Burton, Seoul Correspondent*

## Two Palestinians killed

Two Palestinians died yesterday and two were wounded in a spate of incidents in Jericho, Gaza and the occupied West Bank which threw a shadow over continuing attempts to advance the Israeli-Palestinian peace process. In Jericho, now under Palestinian rule, gunmen shot dead Ibrahim Yogi, a 27-year-old member of the armed wing of the Islamic Hamas organisation after running him over with a car bearing Israeli licence plates. Hamas blamed Israeli undercover agents and called a general strike but Israeli officials denied involvement. Any such operation, they said, would have been a blatant undermining of Palestinian authority. In Gaza, an Israeli naval patrol shot and wounded two Palestinian fishermen outside the permitted area, which stretches 20 miles off the coast of the autonomous enclave. Under the peace accord, Israel maintains narrow security zones opposite the Egyptian and Israeli borders at either end of the strip. A military spokesman explained: "If boatmen do not obey orders to leave the zone, we have to assume they are either smuggling arms or planning to attack Israeli targets." In Hebron on the West Bank, Eid Abdel-Mohsen al-Saghat, 19, died in when a bomb he was carrying blew up in his hands, said the Israeli army. *Eric Sitzer, Jerusalem*

## Burma military detention move

Burma's military dictatorship seems likely to keep Ms Aung San Suu Kyi, the Nobel Peace Prize winner and leader of the Burmese democracy movement, under house arrest for several more years, it was revealed yesterday. There has been speculation that Ms Aung San Suu Kyi, whose family home has been her prison for nearly six-and-a-half years, would be released on January 20 when her current detention order was thought to expire. However the Burmese foreign minister, U Ohn Gyan, in a written reply to Mr Yozo Yokota, the special rapporteur of the UN Commission on Human Rights in Burma, explained that a "central body" composed of the interior, foreign and defence ministers can detain anyone for up to five years. This creates a new legal justification within Burma for the detention, and reinforces a longstanding view in the diplomatic community that the military will only release the popular daughter of the country's independence hero Aung San when it feels they can cope with her potent political appeal. Hopes for her release had been lifted after she met the powerful intelligence chief, Lt Gen Khin Nyunt, and other leaders of the State Law and Order Restoration Council (SLORC) twice, in September and October. *William Barnes, Bangkok*

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# Guinness trial result to be reviewed

By Robert Peston, William Lewis and Jimmy Burns

The Home Office has asked the Appeal Court to review the convictions of the four original Guinness trial defendants because of allegations that material evidence was withheld from the defence.

The appeal will consider whether to quash the convictions against former Guinness chief executive Mr Ernest Saunders, the property tycoon Mr Gerald Ronson, the former stockbroker Mr Tony Farnes and Mr Jack Lyons, the financier.

Mr Saunders, Mr Ronson and Mr Farnes were all jailed. Mr Lyons, a friend of former prime minister Baroness Thatcher, was spared going to jail because of ill-health, but was stripped

of his knighthood. The appeal, expected to be heard in the next six weeks, relates to a claim that the Serious Fraud Office withheld material evidence from the four defendants in the case, which ran from February 1990 to August 1990.

Mr Keith Oliver, a solicitor acting for Mr Farnes, said that the alleged evidence showed that share support operations, of the kind practised in the Guinness case, were common City practice in the 1980s.

It is alleged that this evidence was in the hands of the Serious Fraud Office, which prosecuted the case, before the trial began.

This alleged evidence relates to at least six other cases of indemnified share support operations - where pay-

ments are made to individuals or institutions for buying shares - being used at about the same time as Guinness's £2.5bn takeover bid for Distillers in January 1986.

Details of other such operations were given to the Department of Trade and Industry by directors of TWH/NV, a licensed share-dealing firm, during a separate investigation and then passed to the SFO.

Part of the evidence was disclosed during a case held by a City of London Tribunal which TWH/NV won - in December 1988 on whether TWH/NV should be allowed to keep its licence to deal in securities. But this evidence was not made available to the defence during the original Guinness trial.

A Home Office official said: "Repre-

sentations were made to the secretary of state that evidence had come to light of documents which were not disclosed either at trial or at appeal."

The Serious Fraud Office said it would strongly contest the appeal: "What has come to light is not new evidence. It is unused material which was not regarded as relevant at the time (of the trial) of the original defendants," an official said.

The future of the Serious Fraud Office, set up in the late 1980s to handle cases of complex financial crime, is under review by the government because a number of its prosecutions have collapsed in embarrassing circumstances. The Guinness convictions were always held up by the SFO as an example of its success.

## 9 IRA men to be freed in Irish Republic

By John McManus in Dublin

The government of the Irish Republic last night approved the release from prison of nine members of the Irish Republican Army.

Mr Nora Owen, the Irish justice minister, confirmed the release of the nine men. Their release due last month was cancelled after the shooting of a postal worker in Northern Ireland during a robbery at a sorting office.

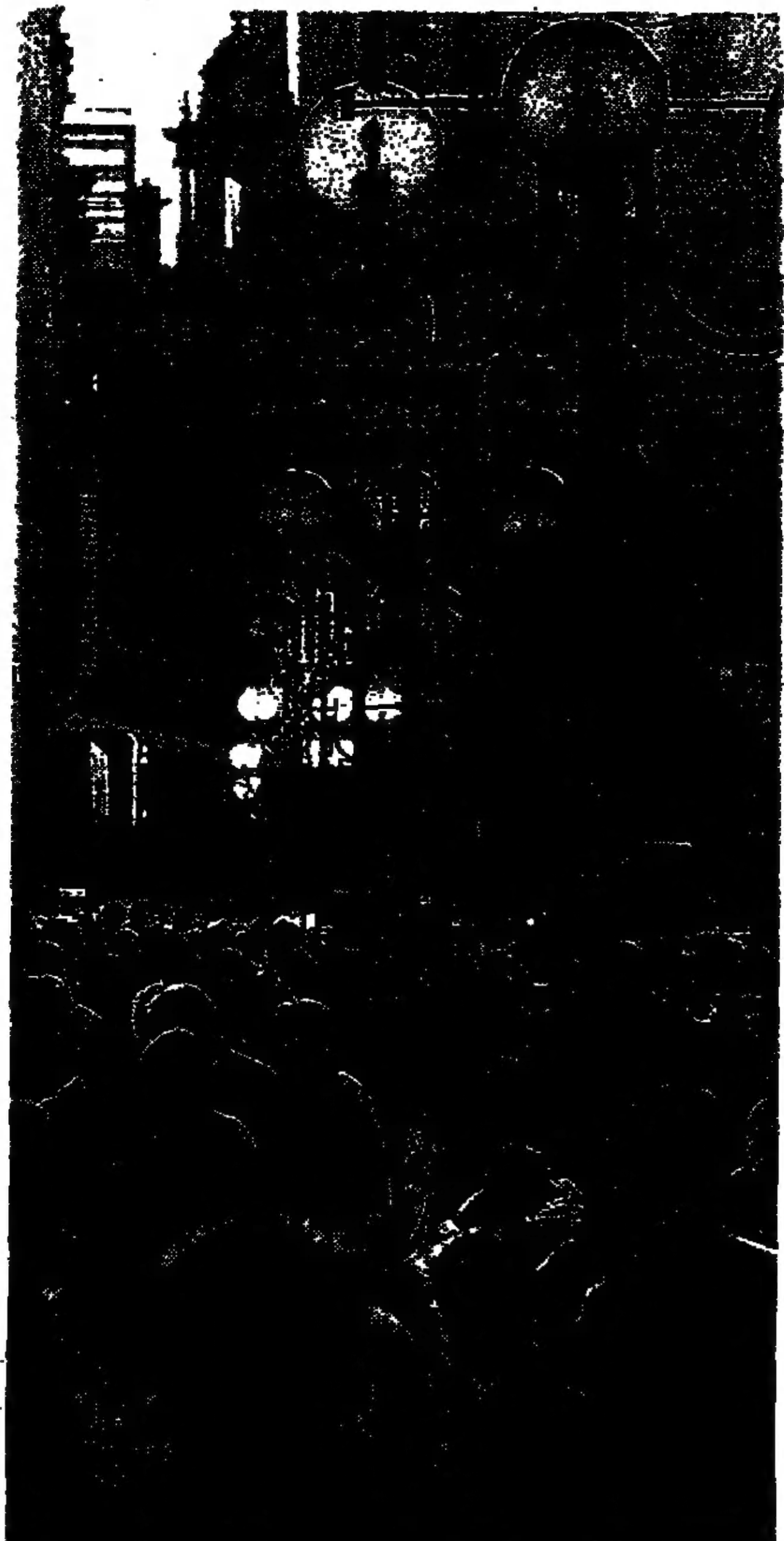
Ms Owen described the release as a "significant gesture" and a sign that the republic's new coalition government was moving to consolidate the peace process.

Meanwhile, security sources in Northern Ireland believe a bomb found in Enniskillen last Sunday was made by the IRA and may have been planted as a way of keeping up pressure on the government.

The IRA leadership earlier this week denied that any of its units were responsible for planting the bomb which was defused by army personnel after a telephone warning.

But the apparent confirmation that the bomb "bore the hallmark of the IRA" will raise suspicions that the organisation has within it a hardline element which is becoming increasingly impatient with the lack of a political response to the ceasefire.

An analysis of Northern Ireland by the private security and intelligence consultants Control Risks this week estimates that 30 per cent of the IRA's membership opposed the ceasefire, but accepted it on condition that political progress would occur soon.



Belfast's retailers are experiencing their best ever Christmas as consumer confidence returns in the first December for 25 years to be free of terrorism. Since the IRA ceasefire at the end of August, the shopping district around Royal Avenue (above) has seen September sales up 2 per cent, October 8 per cent and November 13 per cent. Belfast Chamber of Trade estimates sales volumes will increase by around £30m to £400m over Christmas

## Car output for export to reach 20-year record

By John Griffiths

A further upward surge in UK car production for export in November has ensured that total car output this year will be the highest for two decades.

Statistics released yesterday showing the latest exports rise coincided with the signing of a potentially export-boosting agreement between Rover Group, a subsidiary of BMW, and Indonesian authorities on an Indonesian national car project.

Under the deal, Rover will lead a project to design, develop and manufacture a small car, the Meleo, for production in Indonesia. An outline memorandum of understanding on the project was signed late last year.

Mr Richard Needham, the UK trade minister, said yesterday it was intended that 20,000 to 25,000 cars would be built in Indonesia in the first year after production started in late 1997, rising to 100,000 a year at the end of the decade.

The motor industry's contribution to the UK's improving overall exports performance was underlined by the November statistics, which showed a jump of 83.8 per cent in production of export destined cars to 79,230 compared with 51,560 in the same month a year before.

That lifted November's total car output to 157,513 - a year-on-year rise of 22.8 per cent. As a result, total output for the first 11 months of the year reached 1.36m, a 5.8 per cent rise on the equivalent 1993 period, said the government statistical office and the Society of Motor Manufacturers and Traders.

The full-year total is thus

The Scottish economy, which outperformed all other UK regions during the recession, has begun to slip back in the recovery, says Scotland's main economic research organisation, the Scottish Correspondent writes.

The Fraser of Allander Institute at Strathclyde University says Scottish manufacturing output has risen faster than that of the UK as a whole since 1992 thanks almost entirely to rapid expansion by the electronics sector. Without that sector manufacturing output would have declined.

"The recovery in Scottish manufacturing is much more narrowly based than manufacturing in the UK," the institute says.

Its latest quarterly bulletin points out that official statistics for output by the production and construction industries in the second quarter of 1994 (the latest available) show a fall of 1.1 per cent in Scotland compared with a rise of 1.5 per cent in the UK as a whole.

certain to exceed 1.4m, the highest total since the 1.35m achieved in 1974. November's export performance more than compensated for fairly flat production for the domestic market - up only 1.9 per cent to 78,283. However, the situation was reversed for commercial vehicle production. Total output in November reached 26,638, a 16.9 per cent year-on-year rise. Export production was down 10.7 per cent as mainland European markets remained depressed, while output for the domestic market rose 51 per cent.

### UK NEWS DIGEST

## Mercury offers 55% price cut

Mercury Communications, the UK's second-largest public telecoms operator, yesterday cut international call prices for its largest users in reaction to intensifying competition. It said daytime telephone calls to North America would drop to 20p (31c) from 44p a minute for customers spending £25,000 or more a month with the company. The price to principal European destinations will also be 20p a minute compared with 26p while calls to Hong Kong will be 55p a minute compared with the standard Mercury business rate of 78p.

Analysts said Mercury's international prices were slightly lower than those of British Telecom, the largest UK telecoms operator, before yesterday's cuts, but that both UK operators were being undercut by US competitors such as Colt and US operators including Sprint.

Mercury's profits slipped in the first half of the current year forcing a management reorganisation, redundancies and abandoned services. Mr Duncan Lewis, newly appointed chief executive, said the cuts were an example of Mercury's new approach to customers.

This week AT&T, the largest North American carrier, was awarded a licence by the UK government enabling it to offer cut price business telephony services across the Atlantic. This is expected further to intensify competition and promote lower prices for customers.

## IBM announces first compulsory job losses

The UK subsidiary of International Business Machines has, for the first time in 70 years, introduced compulsory redundancies. About 20 staff have been asked to leave in the company's customer services division and 10 from the Warwick Software Development Laboratories. The abrupt change of strategy is significant for the world's largest computer manufacturer which has prided itself on offering complete job security to competent staff. Compulsory redundancies were introduced in the US earlier this year.

IBM's UK workforce has dropped from more than 18,000 people in 1990 to fewer than 10,000. The company has been cutting staff numbers worldwide through voluntary redundancy over the past four years to come to terms with slimmer profit margins in an industry dominated by personal computers rather than mainframes.

## Regulator rejects plea on Maxwell audit

Coopers and Lybrand, the accountancy firm, has failed in its attempt to halt an investigation into its auditing of the Maxwell Group pension funds. The Joint Disciplinary Scheme, the accountancy profession's regulator, wanted to investigate the firm's role as an auditor.

High Court judges Lord Justice Henry and Mr Justice Kay said: "The question should be addressed promptly, and its resolution should not wait and be dependent on the final resolution of civil proceedings which may be some years off."

The case hinged on whether regulators can investigate cases still being heard in criminal

and civil courts. It is seen as a test case for regulators in all sectors including the financial markets. Coopers and Lybrand argued that, if it lost a case before the JDS, the result could be "catastrophic" for the firm.

## Lawyer jailed for year over false accounting

A solicitor who helped a businessman take money from his company and a staff pension fund was jailed for 12 months. Mr Simon Easton, who was also ordered to pay £50,000 (£83,600) prosecution costs, was told by a judge in London that he senselessly threw away an "enormously successful" career to help a client pay a £114,000 divorce bill. Mr Easton was convicted last month of three charges of false accounting in 1989.

The jury heard that Mr Easton, a senior partner in Calway Easton, a central London law firm, had withdrawn an original invoice after Mr Edward Hunter had said he could not pay, and had submitted three false invoices in their place, allowing his client to save £44,000.

## Crop power decision leads to protest

The government's decision to back only three small projects producing electricity from crops has jeopardised Britain's chances of becoming the European Union leader in this emerging technology, claim supporters of the industry. Fast-growing willow and poplar trees, harvested for burning in power plants, could provide 20 per cent of Britain's electricity needs by 2025, according to the most optimistic projections.

## Unions urges curbs on top executives' pay

Trade union trustees of corporate pension funds have been urged to support action to curb excessive executive pay rises in companies in which their funds have shares. The Trades Union Congress has written to 1,000 trustees urging them to seek inclusion in company remuneration committees. He said executive pay should be related to workforce pay in general.

**MADRID ORDER:** The Turkish High Court of Appeals has scrapped an order made by a lower court appointing a local administrator to the Turkish assets of the collapsed empire of fugitive businessman Mr Asil Nadir. The move marks further progress for the London-based administrators at Coopers and Lybrand in their efforts to gain access to assets in the Polly Peck group.

**TRUCK APPEAL:** Lawyers acting for a haulage company ordered off the road after one of its trucks went out of control, killing six people, lodged an appeal against the ban. Traffic Commissioner Mr Keith Waterworth said Fawcett Transport, based at Skipton in northern England, had shown a "cavalier disregard for vehicle safety standards".

**WAR COMMEMORATION:** A service was held on the island of Anglesey off the tip of north Wales to mark the 50th anniversary of the death of eight US Air Force bomber crew. They parachuted into the sea without lifejackets in thick fog, believing that they were over land. They were returning from a mission in the Battle of the Bulge.

**FARM ADVICE:** Charterhouse Bank is to advise the government on privatisation of its farm advice agency, Adas. Charterhouse will focus on the agency's commercial consultancy and research-and-development operations and will report to ministers in February.

## EU cash transfer plan wins support

By Alison Smith

The UK government has given broad support to the European Commission's proposed legislation to make it easier, cheaper and quicker for small businesses to transfer money across borders.

The plans had been vigorously opposed by mainland European banking organisations, which argued that legislation could mean smaller banks would no longer offer the services and that existing efforts by larger banks to improve transfer arrangements would be disrupted.

Apacs, the UK body representing payment-clearing services, said it would now try to ensure that the directive would be flexible enough not to inhibit competition.

Mr Anthony Nelson, Treasury minister, said British banks generally did well compared with other European banking sectors in terms of providing transfer services in good time. But they were ranked much lower in terms of

expense. "We need higher standards and much more observance of standards," he said. "The average time taken to transfer a payment - which a study for the Commission showed had increased to 4.5 days in 1994 - is wholly unacceptable."

The French government has indicated that pursuing the proposals will be a priority for their presidency, though the target of reaching a common position on the proposals in March is "very optimistic".

The Commission's measures would ban double-charging - where banks charge customers for receiving cash as well as sending it - and would mean that banks would have to refund the charge where the transfer was not completed unless they could shift responsibility by mutual agreement.

They would also provide that money should be credited to the recipient's account within six working days unless the customer and originating bank agreed it could take longer.

## Surplus milk sold to Ireland

By Deborah Hargreaves

Milk Marque, the farmers' dairy co-operative, sold cut-price milk to Ireland last week after causing a furore in November when it raised prices in England and Wales by as much as 20 per cent.

The exports have caused an outcry in the dairy industry where higher prices forced some companies to close processing plants. Dairies are angry that surplus milk has been made available to Irish cheesemakers at about 3p per

litre below the cost of supply on the daily UK wholesale market. "It is infuriating for companies which are locked into high-priced annual contracts," said Mr Neil Davidson, president of the Dairy Industry Federation. "British consumers are clearly being ripped off."

Dairies and supermarkets raised consumer prices for milk by 1p to 3p per pint in response to higher wholesale prices when the £3.8bn market was deregulated in November.

Mr Andrew Dore, chief executive of Milk Marque, said the

export sales were required to cope with an emergency breakdown of Unigate's large processing plant at Chard in south-west England and the annual shutdown of several other plants. "When we get a breakdown we have to take immediate steps to move the milk," he said.

The milk surplus has been caused partly by the mild weather, which encourages cows to produce more milk, and partly by farmers' attempts to cash in on high prices.

## Minister is warned on Pergau

By James Giff at Westminster

Mr Douglas Hurd, the foreign secretary, may be forced to return some £24m already spent on Malaysia's Pergau dam to the UK Overseas Development Administration in spite of his recent statement that "the books for previous years are closed".

The World Development Movement, which recently secured a High Court ruling

that payments for Pergau were illegal, said yesterday that it would take up the case again if money spent on the dam in previous years was not returned to the aid budget.

Mr Hurd told the House of Commons recently that funds due to be paid to the Malaysian government this year and next would come out of the Treasury reserves, and that the ODA could retain existing funds for other projects. But

the World Development Movement said Mr Hurd was also obliged by the court judgment to reimburse the aid budget with money spent on the Pergau project in previous years.

As evidence for this, the organisation cites the High Court ruling that "the secretary of state would take such steps as were necessary to give effect to the judgment of the court".

## Relief on revalued local property tax will reduce its impact in northern England

## Review of rates will harm London, says City

By John Authors

The international competitiveness of London will be damaged by next year's revaluation of business rates, said the Corporation of London, the municipal authority for the City. Its comments about rates, a local property tax, came as the first details of new rateable values were revealed to municipal authorities throughout England.

Rateable values for inner London offices have been cut by 50 per cent in the new revaluation, which takes account of the decline in the property market since 1988, when the

last revaluation took place. But the transitional relief scheme announced in the government's Budget last month means that cuts in rate bills for large buildings will be limited to 5 per cent after inflation.

The relief scheme is meant to soften the impact of the revaluation on northern properties, where rateable values

for office blocks will increase by 50 per cent on average. Next year, increases in rates payable will be limited to 10 per cent, indexed for inflation.

London businesses will in effect pay for this relief by foregoing cuts in rateable value. Mr Michael Cassidy, chairman of the corporation's policy and resources committee, said: "Clearly ministers have decided there's political benefit in giving Treasury money to northern cities yet again."

The corporation said the rates bill for one office block in Bishopsgate would only drop from £5.4m to £5.2m (\$8.1m)

next April, when the new values come into force. If the transitional relief scheme had not been in operation, the rates bill would have fallen to £2.7m.

Mr Cassidy added: "We were planning to use the prospective reduction in rates as one of our selling points to attract businesses into London. There's a perception abroad that the property tax burden in the UK makes us less competitive."

Figures from the Institute of Revenues Rating and Valuation, the professional body of surveyors and valuers, show that inner London is the only English region where rateable values will fall.

Region	Shops	Offices/W/houses	Factories All
N England	+30	+30	+43
NW England	+31	+31	+46
E Midlands	+22	+35	+21
W Midlands	+31	+54	+48
Yorkshire	+27	+56	+32
Inner London	-16	-53	-14
Outer London	+12	-5	+6
Rest of SE Eng	+2	-12	+7
All UK	+10	-29	+17

last revaluation took place. But the transitional relief scheme announced in the government's Budget last month means that cuts in rate bills for large buildings will be limited to 5 per cent after inflation.

## BBC settlement over football claims

The BBC has paid undisclosed damages to Mr Ignio Santin, a London restaurateur, over allegations in a Panorama programme concerning his role in negotiations over the transfer of the footballer Paul Gascoigne from Tottenham Hotspur to Lazio Roma.

In the High Court this week, the BBC said it

had not intended to suggest that Mr Santin had acted dishonestly. It accepted that an allegation in the programme that the transfer deal had been concluded before Mr Santin had become involved was false. The BBC's solicitor said it accepted that Mr Santin made a "significant contribution" to negotiations between the clubs.

## Lottery operator's advantage under fire

By Raymond Snoddy

Britain's football pools operators are renewing their campaign to persuade the government to act on their disadvantages compared with the National Lottery.

The pools have lost a significant slice of their revenue to the National Lottery and some executives fear that in the longer term their industry, which employs 45,000 full-time and more than 80,000 part-time workers, could be undermined.

National Lottery sales are going particularly well in the run-up to Christmas and yesterday Camelot, the lottery operator, revised its estimate of the Christmas Eve jackpot to £8m (£12.5m) from £6m.

The lottery, it is believed, has already led to a reduction in of around 12 per cent to 13 per cent in the weekly takings of the pools.

Some shadow cabinet members believe the terms in the National Lottery licence under which Camelot will receive 5 per cent of the revenues for the initial seven years are unjustifiably generous given the lottery's immediate success.

They see a tax on Camelot's share of lottery proceeds as one way to redress the balance without renegotiating the licence.

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## RECRUITMENT

JOBS: Ebenezer Scrooge has survived until the late 20th-century and no longer needs Bob Cratchit

## Christmas Carol with a different tune

One of the lasting themes in *A Christmas Carol* by Charles Dickens is the pursuit of wealth for its own sake without social responsibility. Scrooge sits in his counting house, oblivious to his own material needs and those of his employee, Bob Cratchit.

The relationship between manager and employee has rarely been more pertinent than it is today. Suppose, instead of focusing on the human condition, Dickens had looked at the job itself. Suppose the spirits who visit Scrooge after he has seen the apparition of his late partner, Marley, are concentrating on something other than his personal history and prospects. Imagine, for instance, he is visited by the spirits of jobs, past, present and future. What would they have beheld?

A condensed version of the story might have started thus: The job was dead to begin with. There is no doubt whatever about that. Dead as a doornail. Scrooge knew it was dead. Scrooge was the employer and Scrooge needed no more jobs, not in the ordinary course of events.

Hard and sharp as flint - a squeezing, wrenching, grasping, scraping, clutching, covetous old sinner - Scrooge sat in his counting

house on a cold bleak, foggy Christmas Eve. "You'll not be in tomorrow, I suppose," he said to his solitary clerk.

"It's quite convenient, sir," said Scrooge, "and it's not fair. Expecting the employer to shoulder every social responsibility. If it's not holidays, it's maternity leave, sick pay and pensions. Bah. Humbug," said Scrooge. "You'll be downsized, soon enough. Downsized or outsourced."

Scrooge stepped out into the cold, misty City streets and wound his way through the throngs of last minute shoppers until he came to the chambers he had once shared with his former partner, Marley. Was that Marley's face upon the knocker. "Nonsense!" said Scrooge to himself, twitching his eyes. Setting himself in his nightgown, a bowl of gruel on his lap, he tried to rid himself of Marley's image. But the face was everywhere about the room. A noise of dragging chains and footsteps, at first faint, now clearer, could be heard beyond the bedroom door.

The apparition as it passed through the door was visible at once as Marley, dragging his heavy chain fixed to cash boxes, keys, padlocks, ledgers and deeds.

"Who are you?" asked Scrooge. "Ask me who I was. This chain, these boxes, these trappings of the job, I wear the chain I forged in life." The spirit looked Scrooge in the face. "I am here to warn you. You may yet escape my fate, Ebenezer. You will be visited by three spirits on successive nights." The fading apparition swirled through the open window out into the night. Scrooge tried hard to say "humbug" but could not and dragged himself back to sleep. It was already dark when he awoke to hear the clock striking the hour that Marley had foretold.

A light flashed inside the room and a hand drew aside the curtain of his bed. It was a familiar figure, dressed in a boiler suit, holding a spanner in the other hand and wearing a flat cap. "I am the ghost of employment past," it said.

Holding Scrooge by the hand, he guided him out into the high street. Here was the bank with its tall marble pillars, crafted plasterwork and long counters staffed by clerks

stamping passbooks, counting change and banking the contents of weekly wage packets. Managers sat behind oak desks in private offices, sipping tea brought by their secretaries. Outside town in the car factory, the workers had their precise jobs defined and their unions ensured that demarcation lines were maintained. The staff, their nomenclature dictated by their white collars, had their desks and telephones and adding machines and reporting structures.

One of the boiler-suited figures was complaining to the bank clerk. The wage negotiations had been going badly. "They can't make the five-per cent limit stick," he said. "We took the vote on a show of hands. We're out tomorrow."

No sooner had the image faded than Scrooge beheld another figure before him. A pin-striped woman? Scrooge blinked. She was so young.

"I am the ghost of employment present," said the spirit. It was Christmas morning now and Scrooge found himself standing in the City streets, scored by freshly dug trenches awaiting plastic cables for the information super-highway.

There was Scrooge's clerk, Bob Cratchit, struggling to get away from the traffic lights in his company Vauxhall Cavalier, still brand new. There was Tiny Tim, sitting up in his Nuffield bed, paid for using Bob's BUPA membership. Bob had made the most of his flexible benefit: extra holidays, private medical insurance, company car. It helped subside the fears arising from the negative equity in the mock Georgian "executive" home he had bought at the height of the property boom.

The spirit pulled Scrooge by the hand, moving through the night, across the land, to a former council house in Nottingham where a miner, not long redundant was feasting his family. "It's not going to last but the re-training might work if there's a job at the end of it," he said.

They passed students, drinking away the future with their talk of travelling the world and working for nothing. They saw worried faces on redundant middle managers, wondering how long their temporary work and casual opportunities

could stave off house repossession, and they saw the homeless, long since deserted by hope. They passed a director, pondering the financial pages, working out the best time to take his share options, knowing that in a downsized, delayed workplace his own options were running out. Time to telephone the headhunter.

As the spirit disappeared, Scrooge prepared himself for the final phantom as it emerged from the gloom. "Ghost of employment future. I fear you more than any spectre I have yet seen," said Scrooge.

The ghost said nothing but pointed to an empty office block. A middle aged man, was it Cratchit? stood on the pavement looking bewildered. He was speaking to Tiny Tim held in his arms. "No one told me about this Tim. I thought I had a job for him and it's gone. That old skifflet Scrooge said he wanted a learner organisation. He could get my job done more cheaply outside. The outplacement was helpful. I have a short-term contract now but frankly it's not as good as before."

"Never mind, Tim. Something will come up."

The mist descended and when it lifted they were back in Scrooge's chambers. Time had passed. Scrooge himself was nowhere to be seen. A computer terminal sat on a desk. In came Bob Cratchit, wearing jeans, with Tiny Tim bouncing after him, now not so tiny. "Once we've removed this, Tim, that will be the end of it. He never realised. Who needs a counting house when you have software systems? Who needs an office when you can work from home? Those computer games you played in hospital served you well. We can live on the royalties from your Sonic Scrooge game for the rest of our lives."

The spirit showed Scrooge one last image - a gravestone on which he could just make out the inscription. It said: "The job."

"So it's true," said Scrooge who emerged from the haunting a wiser man. Renaming his business Scrooge Management Consultancy, he passed on the accounting work to Cratchit Systems Inc, took time out, wrote a book, became a guru, joined the lecture circuit and lunched on other people's expense accounts. "Work!" he said. "This is what I call work."

Richard Donkin

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FT writers offer words of wisdom on food, drink, nutrition and the legend you're likely to be taking part in this weekend

# Science and the perfect turkey

Christmas is a time to eat, drink and be merry. For many, it is a time for reflection. For the cook, it is a time for stress. But let us assume that much of the preparation is under way. With only 48 hours to go, it is too late to make the perfect Christmas pudding, but there's still time to get the rest right.

As any physicist knows, the important thing is to understand the structure and dimensions of what is being cooked; then know your cooker.

Peter Barham, lecturer in physics at the University of Bristol, takes an equation based on Fick's Law of diffusion as a starting point for the right cooking time for a turkey. Fick's Law (named after Adolf Fick, the German physiologist) says that the mass of solute diffusing through unit area per second is proportional to the concentration gradient.

Applied to a turkey, Fick would have told his mother to buy a spherical bird, to measure its radius, to use a convection cooker and to hope for the best; expressed as an equation:  $dm/dt = D \Delta c / dx$ .

Barham's simplified approach has it that the time for the centre of a turkey to reach a certain temperature is proportional to the square of the radius of the bird. The point is that heat takes longest to reach the centre. The wings and legs may be done to a turn, but the meat inside is only just warming up. Judge a turkey by its inner heat.

Yet more important is the bird's molecular structure, which begins to change at specific temperatures.

Nicholas Kurti, emeritus professor of physics at Oxford University, points out that the protein molecules in turkey flesh - myosin and actin - cook at meat (not oven) temperatures of between 60°C and 70°C. The blobs of protein start to change shape at lower temperatures as the heat breaks the bonds that normally keep them in place.

"There are two stages," says Kurti. "As the meat temperature rises, the molecules uncoil and give out threads like an uncurled octopus. The tentacles loosen and spread." This is the point at which the bird is becoming tender.

"Heat it further and the tentacles start grabbing each other - the molecules coagulate and form a soft but rigid network at about 70°C."

This is the critical point. Allow the meat temperature to go much higher, or for coagulation to go on too long, and the networks harden, crack and break up. The bird toughens, and it dries up as the water evaporates. "You'll get a solid and not very tasty meat," says Kurti.

"If only the manufacturers would put in with the bird a small, light thermometer, about the size of a darning needle. You stick this into the turkey [where it stays throughout cooking] to check whether the meat on the inside has reached the right temperature."

Moistness also depends on the condition and fat content of the bird (a turkey is roughly 60 per cent water, 20 per cent fat and 20 per cent protein). "The meat has a loose density, a loose texture which is mainly water," says Kurti. "It can dry out whereas if there's more fat, say with a duck, it will be better."

Some cooks dress their turkey in a muslin vest soaked in butter before roasting. The bird, we are told, will emerge a moist and tender creature. But the scientific truth is that the muslin will not help the breast meat deep inside. Its contri-

bution can be only superficial. For cooking times, Kurti says about 20 minutes per pound for a large turkey, but he urges careful observation of temperature and adjustments to time as appropriate.

John Fry, lecturer in physics at the University of Liverpool, also recommends watching the bird's temperature. The temperature in the middle is a reasonable guide to cooking time. The formula of 20 minutes per pound and 30 more for the bird is very approximate. If it's an enormous piece of meat you would have to cook it longer."

Barham quotes the equation:  $t =$

**The wings and legs may be done to a turn, but the meat inside only warming up. Judge a turkey by its inner heat**

$(M/MO)^{2/3} \times tO$ . This will give the time for cooking your Christmas bird after experimentation, where  $M$  = mass,  $t$  = time (the only variables), and  $O$  denotes constants. In experiments,  $MO$  = the mass of a test bird;  $tO$  = a fixed cooking time. Time for the bird is worked out once the other figures are inserted after a test run.

Harold McGee, author of *The Curious Cook and On Food and Cooking - The Science and Lore of the Kitchen*, also points to the importance of temperature as it relates to protein coagulation and other changes in the muscle and connective tissues. However, his general approach is about "done-ness" that is, whether or not the meat looks done, though this is more readily applicable to red meat.

On the stuffing, McGee says stuffed poultry should be cooked in an oven temperature of 165°C because "lower temperatures allow bacteria in the stuffing to flourish for too long, and higher temperatures shorten the cooking time enough that the stuffing may never cook through". The safety margin on pork is 66°C to kill the trichinae parasite.

Kurti cautions against putting the stuffing into the bird cavity. "It's very tricky if there's raw meat, such as sausage meat. The cavity doesn't get hot enough to cook it."

It should be pre-cooked, cooked separately, or put in the neck, where the temperature is higher. There is no problem with a breadcrumb and chestnut stuffing which takes less time to cook than meat and is not potentially poisonous raw.

Now the turkey is safely in the oven, vest on, thermometer in place, the potatoes need attention, particularly those for roasting.

Potatoes contain water and starch molecules. "These puff up," says Kurti, "and the potato becomes crumbly and woolly as the starch molecules break up and absorb water." Overboiling makes them fall apart. Woolly starch molecules are to blame.

Kurti's approach to roast potatoes indicates that some of his research has been carried out in the kitchen: "To produce the right consistency for roasting," he says, "it is best to peel them, quarter them and part cook them in the microwave - for five or six minutes. Then put them in the oven in the fat for half to three-quarters of an hour."

Barham's equation for cooking potatoes is  $t = r^2 / c$ , where  $t$  is cooking time,  $r$  the radius of the potato and  $c$  the constant which depends on the surface area of the potato and the heat capacity of the water.

They should be pre-cooked until they acquire a gel-like surface layer which, says Barham, will prevent the starch granules below absorbing too much fat. Barham thinks the perfect potato should reach 66°C throughout.

For the vegetables, overcooking is generally worse than undercooking. But in most cases, cooking enhances flavour because high temperatures "make the aromatic molecules more volatile and so more easily detected," says McGee in *On Food and Cooking*. These volatile compounds, along with nutrients and vitamins, will be driven out with overcooking.

Most greens will emerge crisp and more brightly coloured after rapid boiling in large volumes of water for five to seven minutes - uncovered for the first few minutes. The water will dilute the plant's acids, explains McGee, which dull the vegetable colour. Some of the acids will evaporate quickly and will drop back in if the saucepan is covered.

If all is well with the vegetables and meat, the gravy will be good too. The worst accidents happen with thickening. Where flour is used, starch molecules swell in the liquid. It becomes crowded and gelatinous with too much flour, McGee warns. Lumps occur because starch gelatinises quickly in hot water, creating a barrier to the surrounding liquid.

As the turkey is lifted majestically from the oven, only a scientist will reach for the calculator. The rest of us will reach for a cracker, a glass of wine and a party hat. Bon appetit.

Sheila Jones



## Health checks for testing times

If the holiday season is likely to leave you feeling ill, worried or guilty, the world's home healthcare industry is ready to spring to your aid.

On offer are a host of diagnostic tools to help you find out whether you have high blood pressure or too much cholesterol, have ovulated or are pregnant. There is no home safety test yet.

But the experts say some products may not be reliable, and could even be illegal.

After all the revelry and stress, you might be tempted to buy cholesterol and blood pressure testing kits. High cholesterol levels are associated with high fat diets and with heart disease. High blood pressure can lead to heart problems, stroke, kidney and eye disease.

Tests on the UK market range from a £7 cholesterol test - a drop

of your blood spilt on special paper will change its colour according to your cholesterol level - to a £100 computerised blood pressure machine.

The problem, according to the British Medical Association, is that

**Tests range from a £7 cholesterol test to a £100 computerised blood pressure machine**

there are many contributory factors to heart disease including family history, diet and exercise.

"You are not getting the whole picture with these devices," says the BMA.

Tried by the Consumers' Association found the cholesterol tests on

the market give "variable" results but blood pressure machines are "promising".

Nevertheless, the British Heart Foundation said that "tests can be unreliable" because measurements might not be taken "under ideal conditions". It said that the machines might cause panic or offer false reassurance.

There is better technology in home pregnancy and ovulation kits. These work by measuring variations in hormone levels in a woman's urine. The Family Planning Association says that today's pregnancy tests are "very accurate".

It warned, however, that confirmation of ovulation does not mean that a couple can have children.

The woman's egg might fail to implant, for example, or the man might be infertile. There is not, as yet, a home fertility kit for men.

For those worried they might

have been infected with HIV, home HIV testing kits are on the market. However, the Terence Higgins Trust, the AIDS charity, says they are unreliable, inappropriate and illegal in the UK. It says that anyone who thinks they might harbour the virus should seek professional advice and the counselling that may follow a positive diagnosis.

Perhaps a better idea than home kits is a subscription to on-line computerised medical help. Compuserve has medical discussion groups, diagnosis forums and drugs databases.

But in response to worries that ordinary folk might use a distant computer instead of a doctor, it requires subscribers to first acknowledge they have read a screen saying the information is "solely for your education and enrichment".

Daniel Green

## Mystery of the Star of Bethlehem

*Lo, the Star, which they had seen in the east, went before them, till it came and stood over where the young child was.*  
- St. Matthew, chapter 2, verse 9.

Comet? Supernova? Con-

junction of planets? Myth? Or miracle? Those, broadly speaking, are the five favourite explanations for the Star of Bethlehem - an apparition whose identity has attracted much speculation from astronomers, amateur and professional, over the years.

Of course the atheist who regards the Bible as superstitious nonsense can dismiss the Star as a figment of the imagination of whoever wrote Matthew's gospel. At the other extreme, the fundamentalist who regards the Bible as literal truth can claim the Star simply as a miracle; if so, there is no point in trying to relate a divine sign to known astronomical events.

However, there are many Christians who would be prepared to believe that God made use of natural events to give a sign of his Son's coming. And there are many non-Christians who accept that there could be historical - though not supernatural - explanations for some stories in the Bible.

So, what natural phenomena could account for the Star of Bethlehem? Anyone who has seen the planet Venus shining brightly in the western sky on a crisp winter evening may feel that no further explanation is needed.

But Venus could not really be the answer. Nor could any other regular feature of our night sky.

Surely only a really remarkable portent would have drawn the wise men or Magi several hundred miles west to Palestine from their

presumed homes in Persia. If we are looking for a special astronomical event, we need to know its date as accurately as possible. Our current system of numbering years, supposedly starting from Christ's birth, was not fixed until the 6th century AD, when the historical record was far from clear.

Modern Bible scholars believe that the date of the nativity was somewhere between 8 BC when the Emperor Augustus ordered his great tax census and 4 BC when King Herod died. They have no clues about the time of year. Three or four centuries later, people began to celebrate Christmas just after the

winter solstice, to take advantage of existing pagan festivals.

Although no reliable astronomical chronicles survive from the Roman Empire, we do have such records from ancient China. They provide no clear evidence that a brilliant new star appeared in the sky between 8 and 4 BC. This seems to rule out the most obvious explanation for the Star of Bethlehem - a supernova or gigantic cosmic explosion elsewhere in our galaxy.

However, Chinese observers did describe a bright comet which appeared in the spring of 5 BC and remained visible well into the summer. A comet with a vertical tail might fit Matthew's description of a Star that "stood over" Bethlehem.

Although some historians have rejected this theory on the grounds

that a comet was usually regarded as an ill omen, others maintain that a comet could equally well portend good news in the ancient world.

A different line of argument moves away from the Christmas card image of the Star as something spectacularly bright and beautiful. After all, St. Matthew tells us that Herod, his chief priests and scribes failed to notice it until the wise men appeared in Jerusalem.

Perhaps the Magi saw a more subtle astrological sign. This would not have been obvious to the contemporary Jewish court, which paid little attention to astrology, but could have been a powerful portent for the wise men, who were probably Zoroastrian priests from Persia.

The most likely event of this sort occurred in 7 BC - a "triple conjunction" of the planets Jupiter and Saturn in the constellation Pisces. The planets appeared close together in the sky on three occasions during the year, most dramatically on September 15 when they rose simultaneously above the horizon at sunset.

David Hughes, an astronomer at Sheffield University, believes that the wise men took this as the moment of Christ's birth. Jupiter was king of the gods, Saturn represented justice and Pisces was the sign of the Jews, giving the event an astrological potency that is hard to imagine today.

Whatever happened, the Star is a romantic addition to the Christmas story, not an essential part of its message. But for some astronomers it is the most fascinating mystery in the Bible - all the better because there is little prospect of anyone ever coming up with a definitive solution.

Clive Cookson

## Food, glorious nutritious food

Christmas eating is seriously misrepresented. Not only is it not bad for you, but it provides the nearest thing to the perfectly-balanced day's eating.

When else does one eat dates (loaded with potassium)? Don't we all eat tangerines (beta-carotene, vitamin C) at Christmas? Is there anybody who does not get chocolate and nuts (vitamin E, magnesium, potassium) in their Christmas stocking?

The menu was created by a great nutritionist.

Turkey is a very low-fat meat, which helps maintain a healthy cholesterol level. It is rich in folic acid - especially important for pregnant women and elderly people. It contains zinc, which contributes to healthy sexual functioning. And there is evidence it may help perisals suffers, according to Earl Min-

dell, author of *The Food Medicine Bible*. The meat also contains vitamins B1 and B6 which help digestion, while potassium is good for the heart.

Poultry liver contains iron and selenium, which help combat free radicals (which can damage the cells genetic material and lead to cancer). Chestnuts are rich in starch, an important energy source. Cranberry juice helps to flush out the bacteria (E. coli) responsible for most urinary infections.

Goose contains a high proportion of oleic fat, which is valuable in protecting the cardiovascular system. Michel Montignieu points out in his *Diets and Menus* for healthy eating that high life expectancy rates in Corsica, France, coincide with a high consumption of duck and goose fat, eaten mainly in this grass.

Potatoes, the Cinderella vegetable (or "dieter's dream", according to

Mindell), are a great source of fibre (for regular bowel movement), potassium, and vitamins C and B6. Green vegetables are packed with vitamins and nutrients, but don't overcook them or much will be lost.

**'There is evidence that spoiling ourselves... makes people calmer, more relaxed and happier'**

Wine contains a high concentration of minerals, trace elements and soluble fibre to help the digestion. Sherry is said to have aphrodisiac qualities.

Christmas pudding with brandy and cream must be bad for you, but eat it for the sheer pleasure as happier people live longer, according to

Professor David Warburton, director of the human psychopharmacology group at the University of Reading.

But if Christmas festivities become too much of a strain "take time out to indulge a little and relax," says Warburton, also a member of the Arise group (Associates for Research into the Science of Enjoyment). He recommends "guilt-free enjoyment" as a relaxation strategy at a stressful time of year.

"There is clear scientific evidence that spoiling ourselves with, say, a glass of wine or beer... or a few pieces of chocolate and all things sweet, makes people calmer, more relaxed and generally happier. And medical evidence shows that happier people live longer, so moderate indulgence can only be beneficial."

You need never feel guilty again.

Sheila Jones







# Sex, taboos and the selfish gene

Andrew Clark reviews the premiere of 'Lolita', Shchedrin's new opera staged in Stockholm

**L**o, Lola, Lolita! First came the novel by Vladimir Nabokov, alternately scandalising and seducing its readers when it first appeared in the late 1950s. Then there was the Stanley Kubrick film starring James Mason and Peter Sellers. Now we have the opera - written by Rodion Shchedrin, conducted by his Russian compatriot Mstislav Rostropovich, and staged by Sweden's Royal Opera in Stockholm.

*Lolita* is the story of a middle-aged man's fixation for an underage girl, set in suburban America around 1950. It is both erotically and psychologically fascinating. Sick, because the idea of a 40-year-old man having sex with a 12-year-old nymph, and killing the rival who steals her, is an affront to conventional morality. Psychologically fascinating, because it raises issues which puritanical Christian society likes to put a cap on - such as the war of the sexes, the "selfish gene", and why an ageing male should be attracted to a female at the most productive stage of her sexual development.

For the reader, the power of *Lolita* lies in the fluency and elegance of Nabokov's English prose (which he later translated into his native Russian). For the theatre composer, its appeal is more down-to-earth: it deals with a girl, distantly related to Carmen and Lulu, who so obsesses a man that the only way he can rid himself of her is to kill.

Shchedrin (b.1932) is not the first composer to see the novel's dramatic potential. Leonard Bernstein

apparently wanted to write an opera with Dietrich Fischer-Dieskau as Humbert Humbert, the European émigré who tells the story from his death-cell. But Bernstein never pursued the idea. Perhaps it was the intellectual quality of the story-telling which put him off, or the difficulty of casting a nymph.

Nothing so mundane entered Shchedrin's mind. He simply went ahead, not even stopping to think about literary rights. That was the first headache in the run-up to the Stockholm premiere. The Nabokov estate had already sold the rights for dramatic adaptation to Hollywood for a new film, and was threatening legal action if Shchedrin's opera was performed in a major world language.

**T**hanks to that stand, *Lolita* can be sung in Swedish, Serbo-Croat or Swahili, but not English, Russian or German. The estate even banned the circulation of an English libretto - though only Nabokov's words are used, and insisted on editorial control of the Swedish programme. The novelist's son, Dmitri, who is the main beneficiary of the estate, attended the premiere and his presence excited curiosity.

More problems arose when Swedish child protection campaigners tried to force the opera's cancellation, claiming that paedophile acts on stage would encourage sexual abuse. Eskil Høyberg, the Royal Opera's director, put up a spirited defence on national television, saying no-one had called for the sup-

pression of *The Ring* just because it portrayed incest and murder. "If we can't show human failure on stage, there's no future for opera," he said. "Theatre must cover the problems of society. An opera house is a university of feelings - it is our job to demonstrate those feelings on stage, and let our audiences make up their mind."

The opera itself is well-made but unexceptional. Shchedrin dispenses with the book's European pretensions, ignores all minor characters and incidents, but retains the flavour of Nabokov's word-games. Each of the three acts is a flashback from Humbert's cell, where he is haunted by visions of the jury (male chorus) and Clare Quilty, the man he killed. This gives Quilty a prominence which, in the book, he lacks until the final pages. It also gives Humbert a false aura of remorse.

Shchedrin's music runs for nearly three and a half hours. Acts 2 and 3, not just because the story itself loses its early frisson, but because there is insufficient dramatic and musical contrast. The three orchestral interludes could easily be cut; so could the banal ditties for two butterfly/bunny girls, which have period flavour but hold up the flow.

Otherwise Shchedrin shows a musical adroitness to match his political reputation as former head of the Russian composers' union. He uses flute choirs and sustained lower strings to cultivate a languid, almost gloomy atmosphere, occasionally interrupted by outbursts reminiscent of a Shostakovich scherzo. The lyrical tone-painting bears a whiff of Barber and Cop-



'A high voice, turned-in toes and schoolgirl thighs': 25-year-old Lisa Gustafsson fits the bill in the title role

land; an unvaried tempo conjures the monotony of transcontinental car travel. Voices are never covered. The most memorable music is a naive Sancta Maria for boys' choir, haunting Humbert's cell and recalling the lost world of his tragic first love.

The Royal Opera was lucky to find an ideal interpreter for the title role. Lisa Gustafsson, a 25-year-old student, had most of the qualities Nabokov so eloquently describes: the "high voice, turned-in toes, agile giggling legs and schoolgirl thighs". In short, she looked and sounded like an emotionally immature pubescent, before transforming herself into a dowdy, pregnant teenage housewife for the penultimate scene.

The baritone Per-Arne Wahlgren made a plausible Humbert - less Nabokov's weak-willed roué than a repressed New Englander in mid-life crisis, hitting the bottle and ultimately resorting to rape. It is a long role, but not vocally exacting. Laila Andersson Palme played Lolita's mother as a big-bosomed, predatory red-head. Björn Hågan sounded comfortable in the high dramatic tenor role of Quilty.

Ann-Margret Petersson's staging served the work well. The simulated sex scenes lacked the poetry of the book, but only a prude would object. John Conklin's representations of Edward Hopper and the American Surrealists, were full of period detail - gas-pumps, lipstick tubes, cigarette packets and patterned sofas. Rostropovich unfolded the score with loving care, but the result was too slow and self-effacing. Performances continue till February 10.

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## Opera in Bern

### Bibalo's 'Macbeth'

**Y**ou will find the Macbeths in every political establishment - the insecure husband, the scheming wife, both playing classic roles in the destructive drama of power. That is the premise behind Antonio Bibalo's operatic version of *Macbeth*, which has just received a successful German-language premiere in the Swiss capital, Bern.

Bibalo chose his subject well. Outwardly successful and fascinating in their fatal loneliness, the Macbeths look credible in whatever clothes you give them, always coming out with their hands covered in someone else's blood. Like Verdi, Bibalo has based his libretto on the Shakespeare play, but he skillfully avoids comparison by creating a dramatic world of his own.

Bibalo (b.1922) grew up in Trieste, studied the 12-note technique with Elisabeth Lutyens in London and settled in Norway in 1956. His music, modern but undemanding, combines Mediterranean colour with Nordic stillness and melancholy. He has written three previous operas, based on texts by Henry Miller, Strindberg and Ibsen. *Macbeth* was first performed in English at Oslo in 1990.

The plot unfolds in 16 scenes over just 90 minutes. Unlike Verdi Bibalo gives Duncan something to sing, includes Shakespeare's porter, but omits the scene in England. The rest is cut to the barest bones. Everything is concentrated on the Macbeths' psychological development. The soliloquies are brief, but the key lines register clearly.

The music tries to conjure the inner world of thought and motiva-

tion - not so much in the solo vocal parts, which consist of lyrical declamation and unaccompanied *Sprechgesang*, as in the instrumental and choral writing. Wordless female voices, enveloping the stage in a web of mysterious sound, are Bibalo's most atmospheric device. The orchestra's contribution is limited to gestural flourishes, impressionist strokes and mini-crescendos. The overall result is concise but one-dimensional. I found myself longing for a sense of developing line, of musical argument and contrast.

Bern's municipal theatre deserves credit not just for presenting a new work, but for importing a German production team of proven expertise. Kurt Börer's staging, designed by Gottfried Pilz, matched the composer's vision. The bare box-set was white, the costumes predominantly black, making the blood-stained hands and cloaks all the more striking. The sleep-walking scene was particularly effective. Lady Macbeth was confined to a roped-off area centre-stage, observed by psychiatric staff. The three witches moved like invisible streams of the mind.

Macbeth is a character tenor, his wife a mezzo. With his shaven head and great coat, Uwe Schönbeck made a very German-looking Macbeth, but gave the part a universal quality, thanks to his intelligent vocal acting and command of the visual language of guilt. Renée Morloc's Lady was young and bewitching. The Bern Symphony Orchestra, conducted by Hans Drewanz, sounded comfortable in Bibalo's fastidious musical idiom.

A.C.



The unhappy couple: Renée Morloc and Uwe Schönbeck

## Theatre off-Broadway/Karen Fricker

### Confused sexual identities

**A**mong the great pleasures of this bustling off-Broadway season is a rare New York stage appearance by Vanessa Redgrave, in *Vita and Virginia*, Eileen Atkins' adaptation of the letters of Vita Sackville-West and Virginia Woolf which played in Chichester and London last year.

Redgrave is in stunning form: few actors look as alive, emotionally and physically, on stage as she, and the passionate, voracious Sackville-West is a character she was born to play. Atkins, here as in the show's English introduction, plays Woolf, and though her performance brings out the women's quiet strength, very humor, and weakening emotional and physical health, even she cannot make sense of the story's abrupt ending: because the script focuses on the women only in relation to each other we have little sense of the factors which are sending Virginia over the edge to suicide. It is a lone weakness in Zoe Caldwell's otherwise elegant and entertaining production, which looks well ensconced at the Union Square Theatre until March, perhaps beyond.

While *Vita and Virginia* tests America's seemingly insatiable appetite for things English and literary, *You Should Be So Lucky*, another of the season's off-Broadway success stories, is one of those theatrical phenomena that could only happen in New York. The play marks a turning point in the career of its playwright and star, Charles Busch, heretofore New York's best-known drag performer; it is his first stage appearance as a man.

A modern-day Cinderella story/screwball comedy, *You Should Be So Lucky* concerns Christopher, an agoraphobic gay played by Busch, whose life is transformed when he lends a kind hand to an elderly stranger who turns out to be a millionaire. The conceit is far from original, Busch's storytelling is often chunky, and Kenneth Elliott's production is awkward to the point of being amateurish. But the play's spirit is so big-hearted that its faults end up working in its favour: we are drawn into a world as winningly idiosyncratic as Busch's lovably nebbishy stage presence.

Play and production carry the authentically obsessive flavour of contemporary Manhattan life: everyone is either in therapy or desperately in need of it, and trying to create some sense of community in a world of opportunism, tiny apartments, rampant diseases, and trashy talk shows. A hit at the not-for-profit Primary Stages Company, it has now transferred to the Westside Theatre.

As Busch gives voice to Manhattan's manic spirit, the outer boroughs have an able representative in Danny Hoch, a 35-year-old actor and writer whose solo show, *Some People*, is playing at the New York Shakespeare Festival's Public Theatre.

A multi-character monologist in the tradition of Anna Deavere Smith and John Leguizamo, Hoch impersonates New Yorkers of different social and racial backgrounds, from an Afro-Caribbean late-night

DJ to a middle-aged Jewish mother to a Cuban-American girl in her 30s to a Puerto Rican senior citizen. Hoch is an astonishingly adept mimic, but he is still learning that the strength of his work lies in letting characters speak for themselves; a preachy coda tacked on to the 90-minute-long monologue undermines its subtlety. Nonetheless, it is a stunning debut from a young artist whose politics and aesthetics are bound to shape the next generation of American theatre.

Lesbian English authoresses; a drag queen in trousers; an ethnically politicised monologist: when the voice of straight white America? A play by A.R. Gurney, America's premier playwright of White Anglo Saxon Protestant culture, seems a well-timed addition to this diverse theatrical climate, particularly given his present source material: the short stories of John Cheever, the Pulitzer Prize-winning chronicler of New York middle class culture.

But the series of scenes and monologues Gurney has patched together out of these stories, called *A Cheever Evening*, does not add up to much of a play. The vignettes are so brief and Don Scardino's production at Playwrights Horizons so brisk and surface-level that there is no chance to get to know or care about the characters. We are left with a vague, generalised idea of the anxieties and passions underlying this social class's pristine exterior, but without anything solid to hang on to; it is like a dinner party that never gets past the *hors d'oeuvres*.

## INTERNATIONAL ARTS GUIDE

### AMSTERDAM

**CONCERTS**  
Het Concertgebouw Tel: (020) 671 8945  
● Royal Concertgebouw Orchestra: with violinist Sahra Chang, Charles Dutoit conducts Berlioz, Lalo, Stravinsky and Ravel at 8.15 pm; Jan 4, 5

### BERLIN

**CONCERTS**  
Philharmonie Tel: (030) 2546 8132  
● Berlin Philharmonic Orchestra: with conductor Claudio Abbado and soloists Sylvia McNair, Ute, Gustafsson plays Schumann at 8 pm; Dec 30, 31 (8.15 pm)

### OPERA/BALLET

Deutsche Oper Tel: (030) 3 41 92 49  
● Siegfried: by Wagner, Conductor Horst Stein, production by Götz Friedrich at 8.30 pm; Dec 27  
Staatsoper Unter den Linden Tel: (030) 2 09 4782  
● Die Zauberflöte: by Mozart, Conductor Daniel Barenboim,

production by August Everding at 7 pm; Dec 23, 25, 28; Jan 1, 4, 7  
● The Sleeping Beauty: by Tchaikovsky, Conductor by Stokke, choreographed by Nureyev at 7 pm; Dec 28, 27

### LONDON

**CONCERTS**  
Barbican Hall Tel: (071) 838 8891  
● LSO New Year Viennese Concerts: conducted by John Georgiadis, the music of Strauss in this traditional celebration of the New Year at 7.30 pm; Dec 31; Jan 1, 2  
● Royal Philharmonic Orchestra: Christmas concert with conductor Ousain Arwel Hughes at 7.30 pm; Dec 26; Jan 7  
Festival Hall Tel: (071) 928 8800  
● Johann Strauss Gala: the Johann Strauss Orchestra with director John Bradbury, soprano Marilyn Hill-Smith and the Johann Strauss Dancers plays a programme of music by Strauss. First performance at 3.15 pm, then at 7.30 pm; Jan 1

### OPERA/BALLET

Festival Hall Tel: (071) 928 8800  
● The Nutcracker: by Tchaikovsky, English National Ballet and its Orchestra choreographed by Ben Stevenson at 7.30 pm; to Jan 2 (Not Sun)  
Royal Opera House Tel: (071) 340 4000  
● Cinderella: music by Prokofiev, Created by Fredrick Ashton in 1948, this was the first full-length ballet by an English choreographer at 7.30 pm; Dec 28 (2 pm), 26 (2 pm), 27, 30, 31; Jan 3  
● Swan Lake: by Tchaikovsky, Choreographed by Marius Petipa

and Lev Ivanov, production by Anthony Dowell at 7.30 pm; Jan 5  
● The Sleeping Beauty: a new production of Tchaikovsky's ballet. Produced by Anthony Dowell, set designed by Maria Bjornson at 7.30 pm; Dec 28; Jan 4 (2 pm)

### THEATRE

National, Lyttelton Tel: (071) 928 2252  
● Out of a House Walked a Man: by Danil Kharms, A Royal National Theatre and Theatre de Complicité co-production of a collection of musical scenes by the Russian absurdist writer at 7.30 pm; Dec 23, 26, 27; Jan 7 (2.15 pm)  
● The Children's Hour: by Lillian Hellman, directed by Howard Davies at 7.30 pm; Dec 28, 29 (2.15 pm), 30, 31 (2.15 pm); Jan 2  
Queen Elizabeth Hall Tel: (071) 928 8800  
● Cinderella: by Rossini. The Music Theatre London present this new translation by conductor and musical emcee Tony Britten, and director Nicholas Brahm at 7.15 pm; from Dec 27 to Jan 3 (Not Sun)  
● Rossini's Cinderella: new translation by conductor Tony Britten and director Nicolas Brahm at 7.15 pm; Jan 2 (2.15 pm), 3

### NEW YORK

**GALLERIES**  
Metropolitan  
● Ann Hamilton: exhibition reveals the artist's interest in the relationship between sight and touch; to Jan 3

### OPERA/BALLET

Metropolitan Tel: (212) 362 6000  
● Die Fledermaus: by J. Strauss.

Sung in German with English dialogue at 8 pm; Dec 29, 31; Jan 5, 7  
● Don Giovanni: by Mozart, sung in Italian at 8 pm; Dec 24 (1.30 pm)  
● L'Elisir d'Amore: by Donizetti. Produced by John Copely, conducted by Edoardo Müller at 8 pm; Jan 2, 6  
● Madama Butterfly: by Puccini at 8 pm; Dec 27, 30; Jan 4, 7  
● Peter Grimes: by Britten. English at 8 pm; Dec 23, 28, 31; Jan 3  
New York State Theater Tel: (212) 870 5570  
● The Nutcracker: by Tchaikovsky, performed by the NY City Ballet. Tue-Thu 6pm. Fri 8 pm. Ring for other times and matinees; to Dec 31 (Not Mon)

### THEATRE

Manhattan Theatre Club Tel: (212) 581 1212  
● Lovel Valour Compassion: latest play by Terence McNally (of *Ibsen of the Spiderwoman* fame), directed by Joe Mantello. Sun, performance at 7pm otherwise at 8 pm; to Jan 1 (Not Mon)  
New York State Theater Tel: (212) 870 5570  
● Slave: Thinking About the Long Standing Problems of Virtue and Happiness. Tony Kushner's latest work directed by Lisa Peterson at 8 pm; (Not Mon)  
Richard Rodgers Theatre Tel: (212) 307 4100  
● A Christmas Carol: engaging one man show of the classic with Patrick Stewart at 8 pm; to Jan 8  
Vineyard Theatre Tel: (212) 353 3674  
● American Dreaming: by Chloé Meyer, directed by Michael Meyer. The story of a

Japanese-American mixed marriage with an eclectic mixture of classical and contemporary music from East and West at 8 pm; to Aug 1 (Not Sun)

### BOLOGNA

**OPERA/BALLET**  
Teatro Comunale Tel: (051) 52999  
● Semele: by Handel. An English National Opera of London production at 8.30 pm; Dec 30; Jan 3, 5

### PARIS

**GALLERIES**  
Grand Palais Tel: (1) 44 13 17 17  
● Poussin: 400th anniversary retrospective; to Jan 2  
**OPERA/BALLET**  
Châtelet Tel: (1) 40 28 28 40  
● Christina Hoyos: Flamenco choreographed by Hoyo, Marin and Galla, music by Paco Arriga at 8.30 pm; to Jan 7  
Champs Elysées Tel: (1) 47 23 37 21/47 20 08 24  
● Nutcracker: Tchaikovsky's ballet performed by the Kirov ballet company, St. Petersburg at 8.30 pm; Dec 23, 25, 26, 27, 28, 29, 30, 31  
Opéra National de Paris, Bastille Tel: (1) 47 42 57 50  
● Swan Lake: by Tchaikovsky. Choreographed and produced by Rudolf Nureyev. Conducted by Vello Rannum/Ermano Florio at 7.30 pm; to Dec 31 (Not Sun)

### ROME

**OPERA/BALLET**  
Teatro Dell'Opera Tel: (06) 481601

Japanese-American mixed marriage with an eclectic mixture of classical and contemporary music from East and West at 8 pm; to Aug 1 (Not Sun)

### WASHINGTON

**CONCERTS**  
Kennedy Centre Tel: (202) 467 4000  
● New Year's Eve at the Kennedy Center: Members of the National Symphony Orchestra perform popular tunes and waltzes at 9 pm; Dec 31

### GALLERIES

National Gallery Tel: (202) 737 4215  
● Italian Renaissance Architecture: Brunelleschi, Sangallo, Michelangelo, the cathedrals of Florence, Pavia and St. Peter's; to Mar 19  
Sackler Tel: (202) 357 2700  
● Paintings from Shiraz: the arts of the Persian book created in the city of Shiraz during the 14th-16th century; from Dec 24 to Sep 24

### OPERA/BALLET

Washington Opera Tel: (202) 416 7800  
● Semele: by Handel. Conductor Martin Pearlman. Roman Tarlecky, directs a Zack Brown production at 8 pm; Jan 7 (7 pm)  
● The Bartered Bride: by Smetana. Conducted by Heinz Fricks. In English at 7 pm; Dec 31; Jan 2

### THEATRE

Olney Tel: (703) 924 3400  
● Cinderella: Rogers and Hammerstein musical version of the classic fairytale, directed by Mark Waldrop at 7.30 pm; to Dec 31

### WORLD SERVICE

BBC for Europe can be received in western Europe on Medium Wave 648 kHz (468m)

### EUROPEAN CABLE AND SATELLITE BUSINESS TV

(Central European Time)  
**MONDAY TO FRIDAY**  
NBC/Super Channel: FT Reports 1230  
Sky News: Today 1330; FT Business Tonight 1730, 2230

### MONDAY

NBC/Super Channel: FT Reports 1230.

### TUESDAY

Euronews: FT Reports 0745, 1315, 1545, 1815, 2345

### WEDNESDAY

NBC/Super Channel: FT Reports 1230

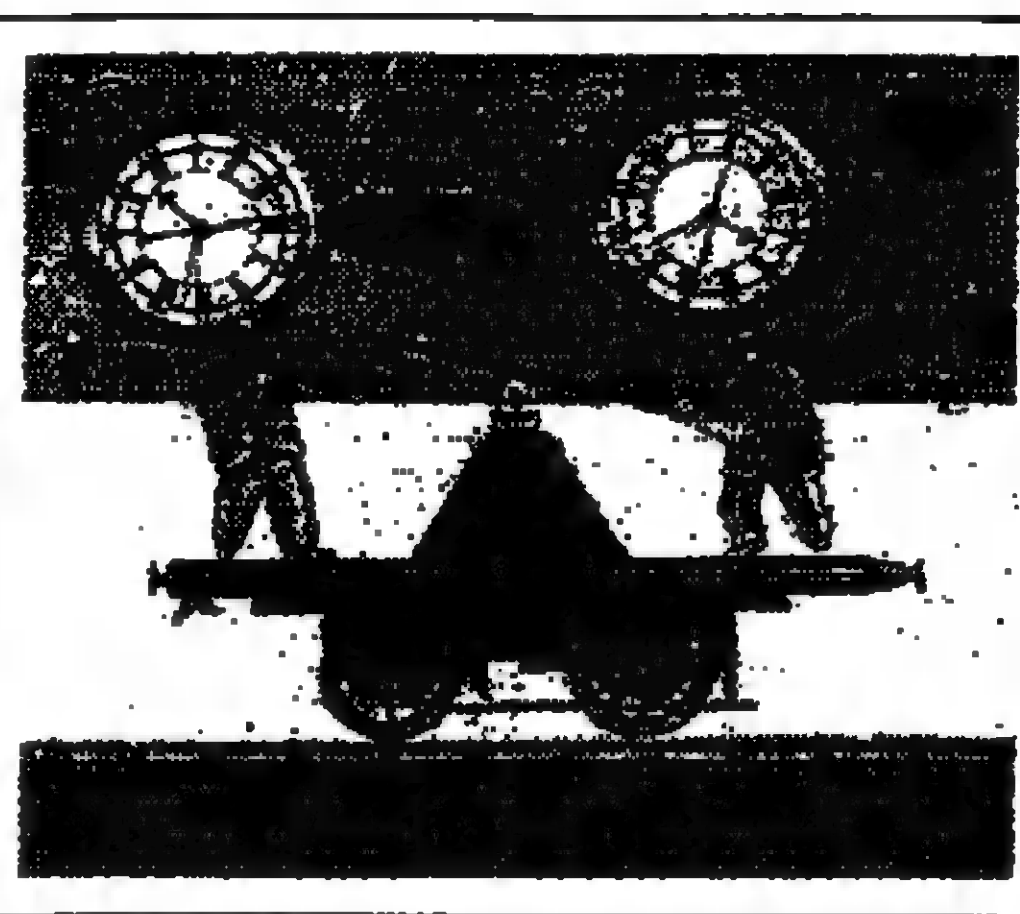
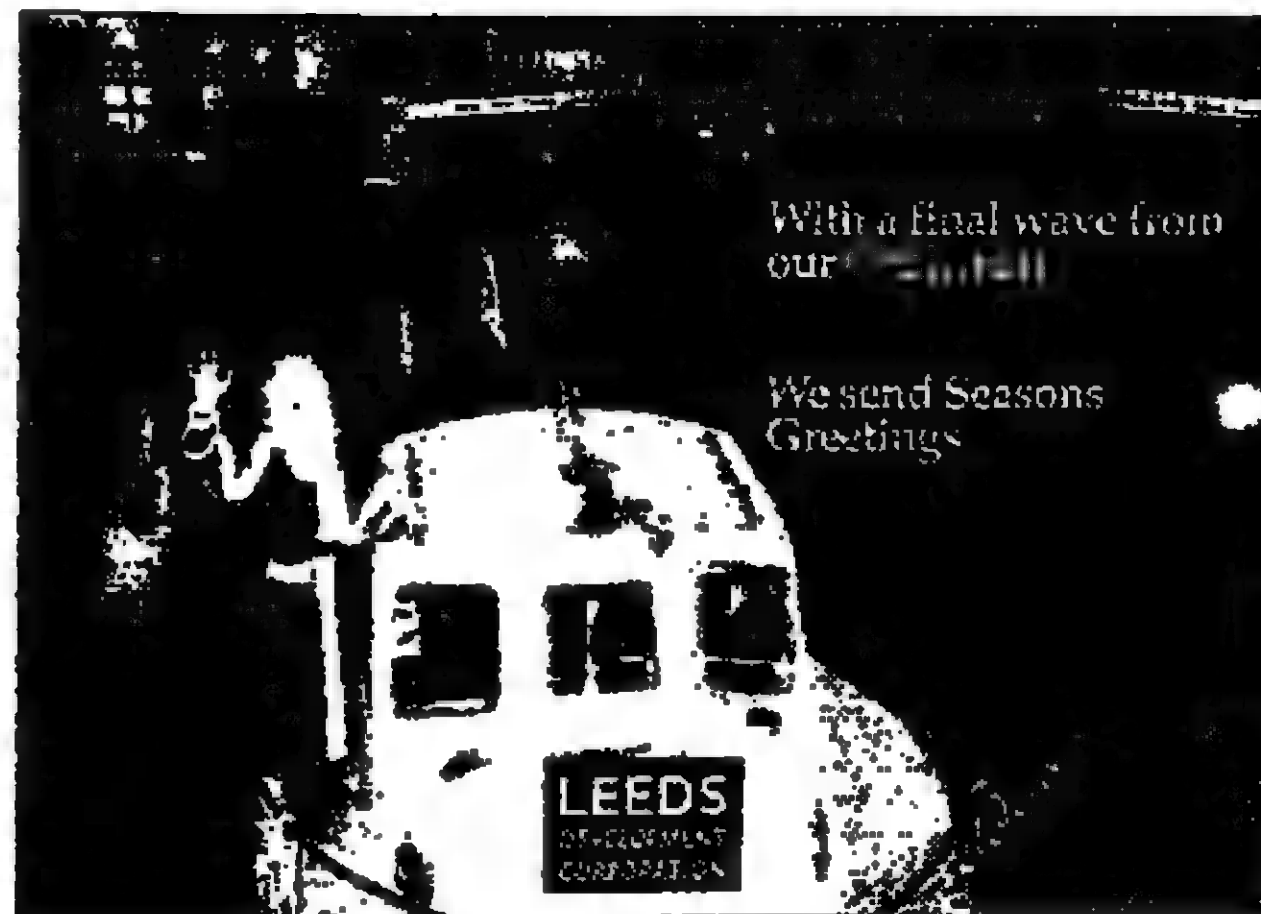
### FRIDAY

NBC/Super Channel: FT Reports 1230  
Sky News: FT Reports 0230, 2030

### SUNDAY

NBC/Super Channel: FT Reports 2230  
Sky News: FT Reports 0430, 1730;





They are piled on your desk, taped to your wall and strung over your head. Some have been put aside, for their senders to be added to next year's list, others are already on their way to recycling.

Chances are you received more Christmas cards than usual at the office. From organisations you have never heard of, signed by strangers - first names only - in an illegible scrawl. Some, even, with rubber-stamped signatures.

Companies just cannot kick the habit. Apart from a no doubt genuine desire to communicate their good will, the occasion is so good an opportunity to try to make a sale.

And little is sacred. Overt Christian themes are a dying tradition, in honest acknowledgment of the religious, cultural and national diversity of most companies' mailing lists.

The blasphemous mixing of religion, humour and commerce also appears to be declining (or malefactors are being more selective about who receives such cards).

Interregnum Venture Marketing does have a biblical looking star over what might be a stable, with the seasonal beatitude "transforming technology into wealth", but that seems to qualify as obscure rather than offensive.

Even more gnomish is the card from Dyson, the UK vacuum cleaner maker. One of two appliances has a star above it. The official explanation is that this represents a Christmas tree, but whispers from Dyson's Wiltshire headquarters suggest it heralds the launch of a new model in February, the second in a "trinity". Please say no more.

Product placement is much more straightforward. Guinness serves up a richly toned photographic still life, an Old Master with a word from our sponsor. The usual accoutre-

## Better than 'bingle jells'

Clay Harris surveys this year's corporate Christmas cards

and one hopes for the sake of Sun Alliance Life & Pensions that the night-Hi offering of its Fortham HQ does an injustice to the edifice. Deewoo Heavy Industries features a snap of one of its tankers.

"Let us show you ourselves" is even worse. Mockery here would only gratify the offenders, so we will not mention most of them. But the self-aggrandising extravaganzas from derivatives traders InterCapital cannot pass unacknowledged. Their coverings as "merrie men" (and women) are recorded in 12 A4 pages, bound in a green-and-gilt folder.

Fiat and Vauxhall also implicitly admit things aren't what they used to be by featuring vintage cars rather than current models. Citroën finds a more artistic way for the display of logo that seems mandatory in the motor industry.

Christmas is also a time to lobby. Robert Maxwell appears as a snowman, to underline the Maxwell/AGB Pension Fund Contributors Association's point that its members are "still out in the cold". The Brewers and Licensed Retailers Association sends a cartoon of Father Christmas, reindeer and sleigh coming in over the channel, with the observation: "It seems like everyone is doing a beer run to France."

"Let us show you our building" remains a favourite theme of the imagination-impaired. Universities and business schools are frequent offenders,

SNCF is more stylish. Sakura Global Capital wins points for topicality in the year of the derivative. Its card shows Santa packing a parcel with curves, ceilings, floors, caps, collars and other instruments of the financial engineering trade, while wondering "whatever happened to Action Man and Lego". If you like "funny", this is as good as it gets. It is certainly better than a tipsy Santa repeating "bingle jells" 14 times.

Among abstract cards, two of the best were commissioned by the senders: paintings by Sarah Hanson for solicitors Nabarro Nathanson and Linda Media for video processing equipment maker Snell & Wilcox. A Charity Christmas Card Council illustration by Robert Guy, sent by several firms, is also outstanding.

In the "views of London" category, Guinness Flight sent a dramatic photograph of Tower Bridge and frozen River Thames in February 1995. Fairly in the background is the outline of Butler's Wharf, where the fund manager's offices now are.

Martin Ryckert's *Flight into Egypt*, sent by Schroders, is the best religious card we have seen this year. In the secular branch of high art, Hardy Oil & Gas sent a juicy 19th century *Still Life of Oranges* by Carl Vilhelm Balsegaard.

Perhaps the best overall was one of the simplest, from London PR agency Fishburn Hedges. A blue cover bears a simple green tree in red pot. When the card is removed, holes in the cover create yellow ornaments on the tree.

But if only all cards could be as personal as that received by the FT's banking editor from Lloyds Bank. Looking at the Tavistock street scene, he pointed to a first-floor window and exclaimed: "I lived in that flat when I was a cub reporter!"

## In a state of resignation

Robert Graham asks what lies ahead for Italy and Berlusconi

Europe's first experiment of a media magnet in politics ended acrimoniously yesterday, when Prime Minister Silvio Berlusconi handed in the resignation of Italy's 82nd post-war government.

Mr Berlusconi, the owner of the Fininvest business empire who decided to become a politician in January, had been in office only 226 days. For those enamoured of statistics, he was the 28th longest serving premier since 1944.

He was forced to resign to head off the defeat of his battered rightwing coalition in parliament. Defeat became inevitable last weekend when Mr Umberto Bossi, leader of the populist Northern League and one of his two principal partners in government, decided to table a motion of no confidence. Mr Bossi's defection, even though it split the League, left Mr Berlusconi without a working majority in both houses of parliament.

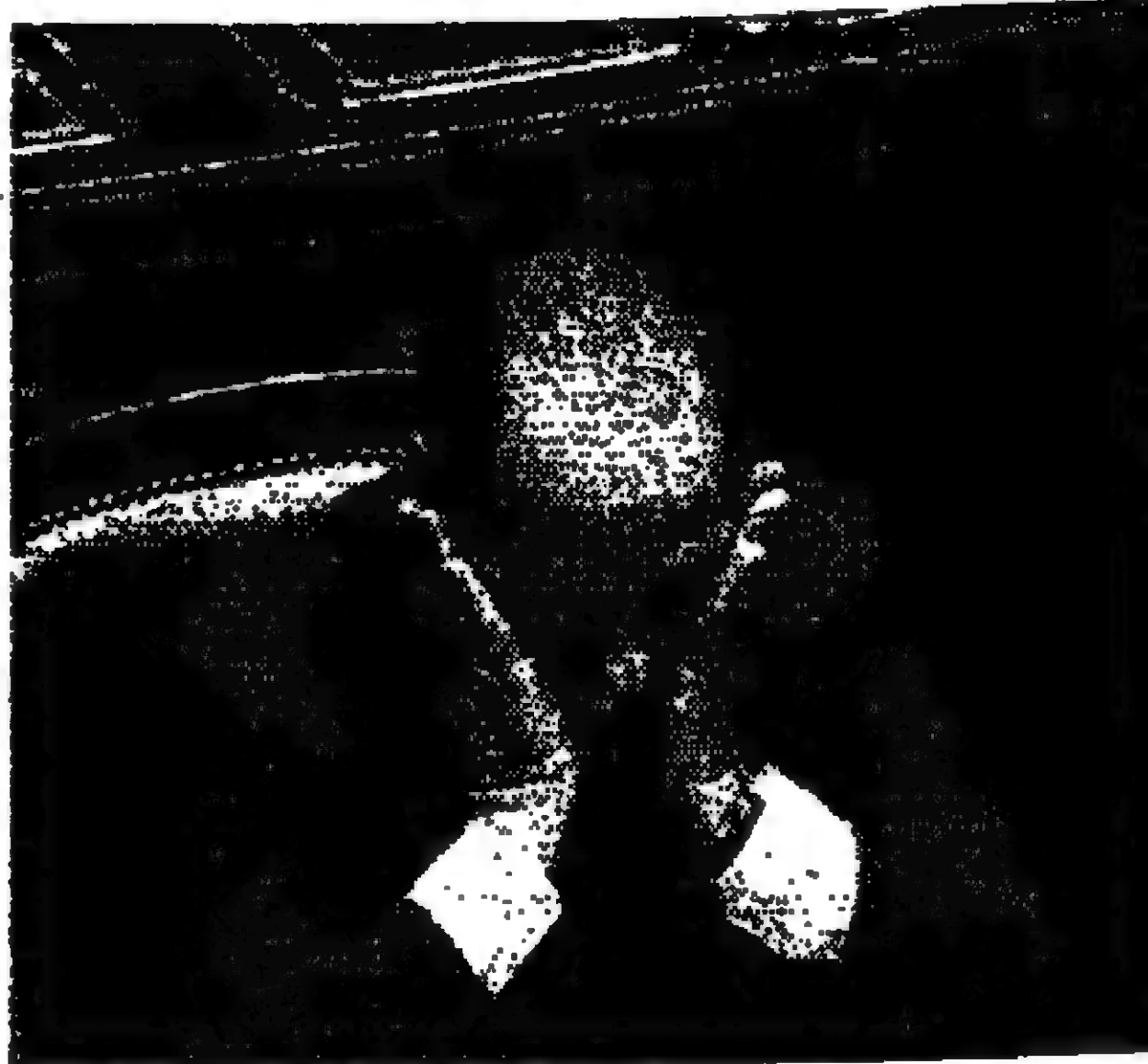
The next step will be up to President Oscar Luigi Scalfaro. He has to decide whether to sustain the life of the present legislature or to impose elections on the country for the third time in four years. Every option carries serious risks for the future political and economic stability of Italy.

Perhaps the most destabilising would be a snap election with Mr Berlusconi heading a caretaker administration. Another election would automatically take a chunk out of the nation's life. Between dissolving parliament and voting in a general election, 30 days must pass. It then takes up to two months for the government to be formed, a confidence vote to be passed and the necessary parliamentary commissions to be staffed.

Mr Berlusconi was asked to form a government on April 28, one month after the general elections. His cabinet team was ready 13 days later and almost a week passed before all the confidence votes in the two houses were concluded.

A quick dissolution of parliament after Christmas risks leaving Italy with a weak caretaker government for five months, and there is no clear picture of who would constitute the next government: alliances are so fluid.

The League is splitting; Mr



Silvio Berlusconi: dejection as his government falls

Berlusconi's Forza Italia has no coherent structure and even less ideology. Of the bigger groupings, only the former communist Party of the Democratic Left on the left and the neo-fascist MSI/National Alliance on the right have well-defined positions. Amid shifting political allegiances, the country's mood is probably still centre right.

But the outgoing government has had little time and even less will to tackle a number of serious issues that will impinge on early elections. The most important are electoral reform, the conflict of interest between Mr Berlusconi's own ownership of Fininvest and his position as a politician, control of the media - especially television, the confrontation between the executive and the judiciary over corruption investigations, and the pensions reform needed to tackle Italy's budget deficit.

Going to the polls with the existing electoral system will encourage a confused agglomeration of parties, rather than coherent coalitions with common platforms. The electoral laws, approved in August 1993 as a result of an earlier referendum, introduced a compromise of first-past-the-post voting and proportional representation. All the parties agree that Italy should drop proportional representation. But divisions remain, especially in the Berlusconi camp, over whether to adopt a single round of voting or a second run-off as in France.

On the conflict of interest, Mr Berlusconi has frequently been confronted with problems arising from his ownership of Italy's second largest private group, which is active in a range of economic activities - not least publishing and television. He is also under investigation for alleged corruption while running Fininvest.

There was a further reminder of these problems yesterday, when his younger brother and close business associate, Paolo, was sentenced to 10 months in jail for bribery in connection with refuse treatment contracts.

Mr Berlusconi has proclaimed his innocence, while calling colleagues he believes he will be sent for trial by a vindictive Milan magistrature. His own judicial position is unlikely to be clarified during an election campaign.

A snap election would be the outgoing administration's control of the RAI television and Mr Berlusconi's dominance of the commercial networks. The television screen will be the battle ground for the hearts and minds of the electorate; and the current opposition could be denied equal opportunity.

There is also a financial dimension. The 1995 budget, approved this week, is already out of date, and additional measures will be needed to find 120,000bn or more in the first half of the year. This is bound to worry the markets - as will the likely slippage in the June target for completing reform of the costly state pensions system.

Against this background, President Scalfaro will want to see if a new parliamentary majority might be feasible. This could be difficult, however, with Mr Berlusconi and his allies, who represent close to half the deputies, opposed to such an idea. Failing this, Mr Scalfaro will probably try to appoint an interim "techno-political" government, to ensure that Italy can go to the polls with revised electoral laws and free from chaos on the financial markets.

In resigning rather than waiting for the outcome of the no-confidence vote, Mr Berlusconi has sought to force the president's hand in favour of elections, as early as March if possible. The outgoing premier even told parliament that any failure to go to the polls after Mr Bossi's desertion would be defrauding the voters.

Mr Berlusconi's only real chance of political survival lies in pressing for early elections. He could hope for a sympathy vote. Already he is appealing directly to the people: he says all sovereignty resides in the voters, implying that the television audience rather than parliament should be the real judge of his government.

His other allies - the MSI/National Alliance and the small Christian Democratic Centre - have stood solidly behind him. He will also pick up support from dissident members of the League. But it is questionable how long they will wish to be associated with a man who has shown himself lacking in leadership and political skill. And if he were returned to power, he would face the same problems he inherited eight months back, but magnified by his initial failure.



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### The outgoing government has had little time and less will to tackle serious issues

## LETTERS TO THE EDITOR

Number One Southwark Bridge, London SE1 9HL

Fax 071 873 5938. Letters transmitted should be clearly typed and not hand written. Please set fax for finest resolution

## Power to the people - very Machiavellian

From Mr Julian Wells.  
Sir, Whatever Machiavelli's faults or merits, as either human being or management consultant ("Pioneers and Prophets", December 19), to say that "empowerment" is true only in the sense that this grisly word had not come into currency in the 15th century.

This is what he said about political turmoil in Rome's republican era: "If tumults led to the creation of the tribunes, tumults deserve the highest praise, since, besides giving the populace a share in the administration, they served as the guardian of Roman liberties." (Discourses, I.4).

In Discourse 58 (roundly

titled "The Masses are more knowing and more constant than is a Prince") he explicitly concludes that "government by the populace is better than government by princes".

Machiavelli speaks plainly about how to impose or maintain tyranny because he wishes to avoid the consequences of taking would-be

tyrants on the smooth face they present to the public. So no talk of "empowerment" - but then none about "downsizing", either. Julian Wells, lecturer in economics, International Business and Languages, South Bank University, London SE1 0AA

## BR takes the long route

From Mr Anthony Sargent.  
Sir, British Rail's "customer care" programme is raising InterCity's in-train announcements to new heights of ineptitude.

On Tuesday, some 10 minutes after a London-bound train advertised as stopping at Milton Keynes had hurried through the station, the senior conductor reassuringly told us: "You will have noticed that the train did not, in fact, stop at Milton Keynes. I have spoken to the driver about it. He tells me that he had developed a problem which prevented him stopping safely at Milton Keynes. Passengers for Milton Keynes should change at Watford Junction."

The sense of mounting excitement during the remainder of the journey was almost tangible.

Anthony Sargent, Springfield House, 115 Greenfield Road, Harborne, Birmingham

## Drastic consequence of biscuit cut-back

From Dr Geraldine Kave.  
Sir, Your article, "City thefts take the biscuit" (December 20) spells out in detail the pounds (£) saved by solicitors in reducing the consumption of biscuits. Surely of much greater importance would have been to have noted the savings in pounds (pence).

Geraldine Kave, GAAPS, Grafton House, 2/3 Golden Square, London W1R 2AD

surprise everyone that lawyers are not the only firms that experience problems with the dreaded chocolate biscuits. As surveys we made sure that our clients were well tanked-up with them and, if that also meant the "workers" benefited by the odd jaffa cake to improve their performance, so be it.

We took pride in our refreshments. We even provided cappuccinos and, at one stage, hand-made chocolates from my sister's very own chocolate shop.

But the heydays of the 1980s gave way to the tightening of belts of the 1990s and, because our waitresses were dropping over our belts, drastic action had to be taken. We decided to go environmentally friendly. Now we offer fresh fruit and caffeine-free fruit-flavoured tea. It has transformed our business. We now have no clients and only one part-time secretary working for us and she brings in her own sandwiches and flask.

Have we done something wrong? Stanley Cohen, 63 Broadway, Stratford, London E15 4BQ

## Flotation rather than a sale is sound logic

From Mr Andrew Campbell.  
Sir, Lex Albright & Wilson, December 14) asks why investors should consider paying more for Albright than the business is worth to Tenneco or trade buyers.

If Tenneco's parenting of Albright is destroying value (a

fairly common situation), the chemical business will be worth more as an independent company than as part of Tenneco.

Since speciality chemicals companies mostly perform badly when they are divisions of larger chemical companies,

the logic of a flotation rather than a trade sale appears sound. Andrew Campbell, Ashridge Strategic Management Centre, 17 Portland Place, London, WIN 3AF

## Government not disingenuous on a minimum wage claim

From Mr Phillip Oppenheim MP.  
Sir, Your article, "Figures show benefit of a minimum wage" (December 19), suggests that the government has been disingenuous in claiming that a national minimum wage would lead to a fall in the number of jobs.

Denis MacShane's argument, that a number of other countries with minimum wage mechanisms have seen a higher growth in employment than the UK, is deeply flawed. The facts are that those countries quoted and which have seen a significant growth in employment have, in the main, very different types of wage-fixing mechanisms from the

sort of national minimum wage which Labour is proposing. In the US, the minimum wage is currently set at the extremely low level of \$4.25 per hour. Moreover, despite coming to power committed to raising the minimum wage, President Clinton has not done so, clearly because of fears about the effect on jobs. In Australia, wages are set at state level; in Japan, there are different industry rates; in both countries, the level is very low.

France and Spain, which are the only EU countries with a national minimum wage of the sort Labour proposes, have significantly higher unemployment rates than the UK.

It is not surprising Mr MacShane finds UK employment performance poor compared with other European countries, as he uses the wrong figure. Mr MacShane claims that employment growth for the UK was 1.5 per cent between 1980 and 1990; the actual OECD figure was 6.4 per cent (recently revised up to 6.8 per cent). When comparisons are based over the economic cycle (1979-90) - the correct way of assessing employment growth - the UK rate of job creation was faster than in France and Spain.

The government believes the only sustainable way to improve real pay is through a combination of enhanced education and training. This will

provide people with the skills to obtain better paid jobs together with the framework for monetary stability, low inflation, and a climate for successful investment and enterprise to allow individuals to provide better paid jobs. That we have been successful in this endeavour is indicated by the fact that whereas pay and productivity levels stagnated during the last Labour government, both have risen substantially since 1979.

Phillip Oppenheim, parliamentary under secretary of state, Department of Employment, Carlton House, Tophill Street, London SW1E 9NF

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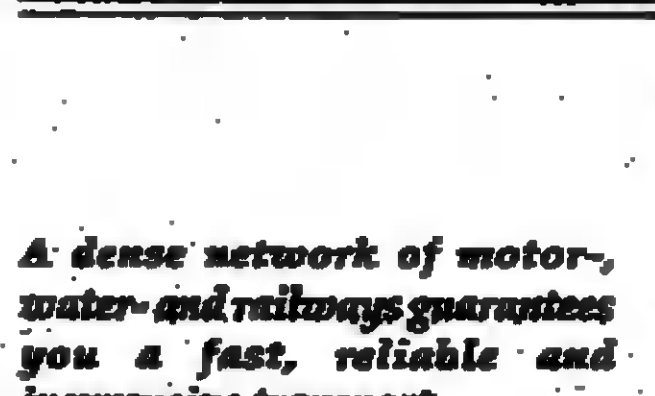
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## FINANCIAL TIMES

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Friday December 23 1994

## Mr Yeltsin's weakness

Russia has got itself into a terrible and bloody tangle in its latest attempt to hold itself together: the confrontation with the people of Chechnya in the northern Caucasus. It is a battle from which no one is likely to emerge the winner, and which could severely undermine the position of President Boris Yeltsin back in Moscow.

Using columns of tanks against a warrior nation of mountain people can never be sensible, as one might think the Russians would have learnt in Afghanistan. President Yeltsin can have had only one good reason for forgetting that lesson: the need to keep the Russian army quiet, and to appease the increasingly vocal nationalist lobby in Moscow.

In the event, the use of regular soldiers and heavy armour in Chechnya in the largest Russian military operation since the invasion of Afghanistan has had the opposite effect. It has split the army down the middle, and obviously alienated significant numbers of very senior officers. The morale of the troops is rotten. They are no longer prepared to lay down their lives for the empire. And Mr Yeltsin is looking more foolish, not more decisive. He has failed to woo most conservatives, while

harrying most liberals. This is not to say that the government of Chechnya has right on its side. The so-called independent republic is recognised by the outside world as a constituent part of Russia. Its declaration of independence had no legal basis, and its government, under General Dzhokhar Dudayev, is strongly suspected of having links to organised crime. It is no myth that Chechen gangs play a big part in Moscow's rising lawlessness.

A close connection exists between the excellence of the recovery and the sourness of the electorate. This is a recovery led by exports, not by consumption: in constant prices exports of goods and services rose 10.2 per cent in the year to the third quarter of 1994, while consumption rose only 2.9 per cent. It is a recovery led by manufacturing, not services: real manufactured output increased 5 per cent in the year to the third quarter, while services expanded 3.3 per cent. It is a recovery in which GDP has grown far faster than personal disposable income: GDP in constant prices expanded 4.1 per cent in the year to the third quarter of 1994, while real disposable income rose a mere 1.5 per cent.

Neither the rate of growth nor its pattern was expected a year ago, but they are explicit. One side of the story is the indestructibility of the personal sector, the flat housing market and the singleness of borrowing. The other side is the unplanned devaluation of September 1992, reinforced by the unexpectedly rapid recovery of the European economy. Partly because the depreciation occurred when inflation was low and the recovery had just begun, partly

Yet by throwing his tanks into the fray, Mr Yeltsin runs the risk of alienating the entire 18m-strong Moslem population of Russia. He has united most of the extraordinarily disparate peoples of the Caucasus against him, bringing back ominous memories of the interminable wars fought by the Tatars of old to force these same warring tribes into their empire. The Russian leadership has not grasped that it is still in the midst of a process of decolonisation, the unravelling of that empire. Mr Yeltsin started that process, to overthrow Mr Mikhail Gorbachev, and now he cannot stop it. So far the outside world has sought to ignore the problem. It cannot continue to do so indefinitely. It is not up to the west to seek to maintain the borders of today's Russian federation precisely where they are - nor, on the other hand, to encourage a continuing process of disintegration. But it is in the western interest to have a stable Russia, not chaos.

Mr Yeltsin must be urged to provide a constitutional framework to handle those questions of decolonisation which are not going to go away. He should pay attention to the lessons - good and bad - of the end of the British and French empires. He needs an independent body of arbiters to settle disputes between an oversight body of republican leaders from all over the Russian federation as proposed by the president of Ingushetia, Chechnya's neighbour. Moscow is simply not trusted by its subjects, and the use of excessive force, or the threat of such force, can only have aggravated that perception. Mr Yeltsin is not proving his strength by using his tanks. He is proving his weakness.

## Do well; feel bad

The UK is enjoying a textbook-perfect, export-led recovery. It is unfortunate for the government that the public is unpersuaded of its merits. But that scepticism may also prove disastrous for the economy.

A close connection exists between the excellence of the recovery and the sourness of the electorate. This is a recovery led by exports, not by consumption: in constant prices exports of goods and services rose 10.2 per cent in the year to the third quarter of 1994, while consumption rose only 2.9 per cent. It is a recovery led by manufacturing, not services: real manufactured output increased 5 per cent in the year to the third quarter, while services expanded 3.3 per cent. It is a recovery in which GDP has grown far faster than personal disposable income: GDP in constant prices expanded 4.1 per cent in the year to the third quarter of 1994, while real disposable income rose a mere 1.5 per cent.

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because consumers were suffering from the after-effects of their excesses of the late-1980s and partly because Messrs Lamont and Clarke introduced increases in taxation amounting to 1.2 per cent of GDP in 1994-95 alone, this devaluation has worked - so far.

One result is the improved balance of payments. The current account surplus of £0.8bn in the third quarter was the first since early 1987. Even the visible deficit was only £1.5bn (about 1 per cent of GDP), as against £2.4bn in the second quarter. So the economy is doing well and, as in a mirror, the public is feeling bad. But nothing could be better than such a recovery. Surges in exports promise an output expansion with consumption following, sustainably, behind. Nothing would be more disastrous than another rapid increase in consumption. That is why the latest interest rate increase and the tax rises to come are what the economy needs.

They are not, however, what the public or the Tory party wants. The government has stumbled on the right mixture of a competitive exchange rate, flexible markets, and fiscal and monetary prudence. It has promised Nirvana before, been believed, and been wrong. Now it is not believed, but it is right. Another U-turn is all too likely, however, precisely because it is mistrusted. If so, the sceptics would be proved right after all. It is a funny old world.

## Force of destiny

When Mr Silvio Berlusconi's Forza Italia won the general election in March, many Italians believed he represented the best chance of resolving the country's economic and political difficulties. That hope has crumbled into dismay. Far from providing solutions, Mr Berlusconi has become one of the chief problems. By announcing his resignation as prime minister yesterday, but suggesting that he should stay on pending new elections, Mr Berlusconi is compounding Italy's uncertainties.

Forza Italia's partners, the Northern League and the neo-fascists, shoulder some of the responsibility, but most of the blame for his coalition's failure falls on Mr Berlusconi. He has shown insufficient energy to tackle Italy's debt and deficit crisis. He has become entangled in the corruption investigations which brought down the previous political establishment. And he has proved unable to put distance between himself and his media interests, now linked still more closely to his own political future. Earlier this month, Mr Berlusconi's ownership of three commercial TV channels was judged unconstitutional. His chances of resolving this issue to his own satisfaction may depend directly on his ability to remain in power.

The state broadcasting organisation can be added to the string of Berlusconi supporters in the media. So he would have considerable scope to gather a strong sympathy vote in a short and probably

vicious campaign targeting, in particular, the Northern League. Another election less than a year after the previous one would, however, resolve next to nothing. If it was conducted under the present unsatisfactory mix of proportional representation and majority voting, neither the parliamentary line-up nor the dilemma of how to form a cohesive government would be substantially changed. Yet external circumstances, determined partly by the international financial markets, would be even more trying than in March.

Italy's immediate political destiny depends on President Oscar Luigi Scalfaro, who can dissolve parliament, as Mr Berlusconi wants, or entrust another leader with the prime ministership. Since the first option would lead to a dead end, the right course would be to seek a broad-based government drawing its legitimacy from the parties voted into parliament last March, including some representatives of Forza Italia.

An interim government of an institutional character similar to that of Mr Carlo Azeglio Ciampi in 1993-94 would need a specific mandate geared to restructuring social security financing, clearing up the muddle over broadcasting control, and bringing in a new electoral law. This would be, at best, a breathing space. But it would give Italy a glimmer of an opportunity to tackle problems that Mr Berlusconi has done so much to highlight and so little to resolve.

**B**ond markets are supposed to be the natural haven for investors who want a secure income and minimal excitement. In 1994 they have been more like a high-tech adventure playground in which the electronics have gone awry.

The collapse in bond prices around the world prompted by a quarter-point increase in US interest rates in February has continued to reverberate, leaving many governments with unsustainably high real borrowing costs.

How, with the benefit of hindsight, can these gyrations be explained? And what do they tell us about the state of the financial system?

As with most seismic upheavals in capital markets, the starting point is monetary policy. Throughout 1993, this was lax in the US as a result of the Federal Reserve's continuing efforts to prop up the US banking system.

Looking back, it is clear that monetary policy remained loose for longer than was necessary. By the end of last year, excess liquidity had spilled over into foreign markets. A global bull market in bonds turned into a bubble.

As the charts imply, US investors' foreign purchases of bonds and equities reached an unprecedented peak in 1993. It is fashionable to attribute this to US pension fund investors' new-found enthusiasm for international diversification. Yet the subsequent plunge in the outflow of dollar funds suggests that this was less important than two other, more speculative forces.

The first was the response of US retail investors to disappearing inflation. Just as unanticipated inflation in the 1970s penalised those who held long-dated fixed-interest securities and forced them to save more to offset the decline in the value of their real capital, unanticipated disinflation in the 1990s penalised people who held short-term assets. It deprived them of income as nominal interest rates fell.

US depositors, including many un sophisticated pensioners, deserted the banking system in the 1990s for higher-yielding bond mutual funds (the American equivalent of unit trusts) or for equity funds that appeared to hold out the hope of capital growth. Yet as capital values rose and the yield on US Treasuries came down, the mutual funds, in turn, were forced to scour global markets for higher income.

They became panic buyers of high-yielding paper in the more outlandish economies of Latin America and Asia. That was the unleveraged part of the story, since mutual fund investors were speculating chiefly with their own money. The second force behind the bubble came from the commercial banking system, where the banks were using other people's money to take a huge speculative position on bonds. They did so in response to clear signals from the Fed chairman Mr Alan Greenspan.

Part of the Fed's strategy for restoring the profits and capital of a banking system burdened by bad debts in property was to keep short-term interest rates artificially low from early in the decade. The banks could thus borrow cheaply from depositors to invest in higher-yielding longer-term government IOUs.

As long as everyone knew that the market was being rigged in the banks' favour to avoid a credit crunch, the mismatch in the maturity of assets and liabilities was riskless. So the commercial banks entered 1994 with more than \$300bn of public sector debt on their books. With the Fed providing a safety net, it was not surprising that small amounts of capital should support larger and larger speculative positions on bonds - leverage, in a word. What was surprising was that when Mr Greenspan indicated in January that the time had come to tighten policy, the momentum was such that nobody in the markets responded. Only after February 4, when people confronted a worldwide margin call as banks demanded more collateral for their

**John Plender explains why bond market investors have had a more exciting year than they might have expected or wanted**

## Not such a safe haven

loans, did the financial community wake up.

Why was the fall-out so severe? The extent of leverage in the system - which multiplied the loss arising from a modest increase in interest rates - provides one answer.

The misnamed hedge funds which borrowed vast sums to speculate in the market were merely the tip of the iceberg. As we now know, everyone from the treasury department at Procter & Gamble to the officials at Orange County, California, had taken to behaving like hedge fund managers: they were betting, not hedging.

So, too, had the US investment banks. Their collapsing profits this year are symptomatic of a wider shift in the culture of finance towards high-octane trading on their own account.

The resulting increase in leveraged dealing activity helps explain the volatility and extraordinary forestalling of response times in the markets. In effect, a bear market adjustment that might once have been spread over years took place in a matter of weeks.

And as the tide of liquidity retreated, the conflicts of interest inherent in the banks' new trading focus emerged. US industrialists discovered their treasurers' "hedging" activity consisted of buying complex derivative products from Wall Street about which Wall Street knew more than the treasurers.

Yet derivatives - swaps, forwards, options and the rest - have, like the hedge funds, received a disproportionate amount of blame. Orange County's \$3bn losses had more to do with the use of "repos" - sale and repurchase agreements - than derivatives.

And one of the biggest new sources of volatility in the system, collateralised mortgage obligations (CMOs), are not really derivatives at all. Yet they have been responsible for a whiplash effect in bond markets all across the world.

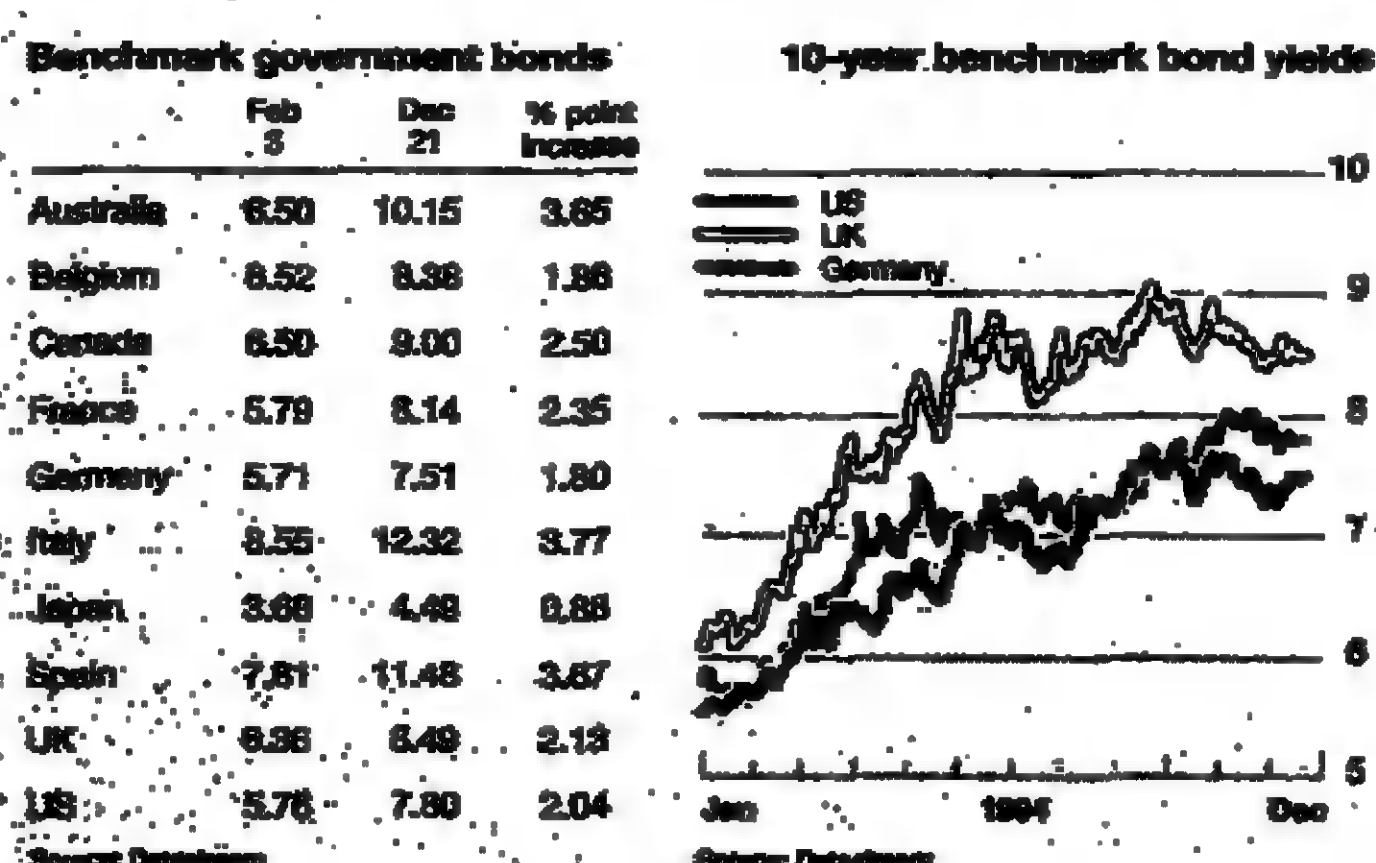
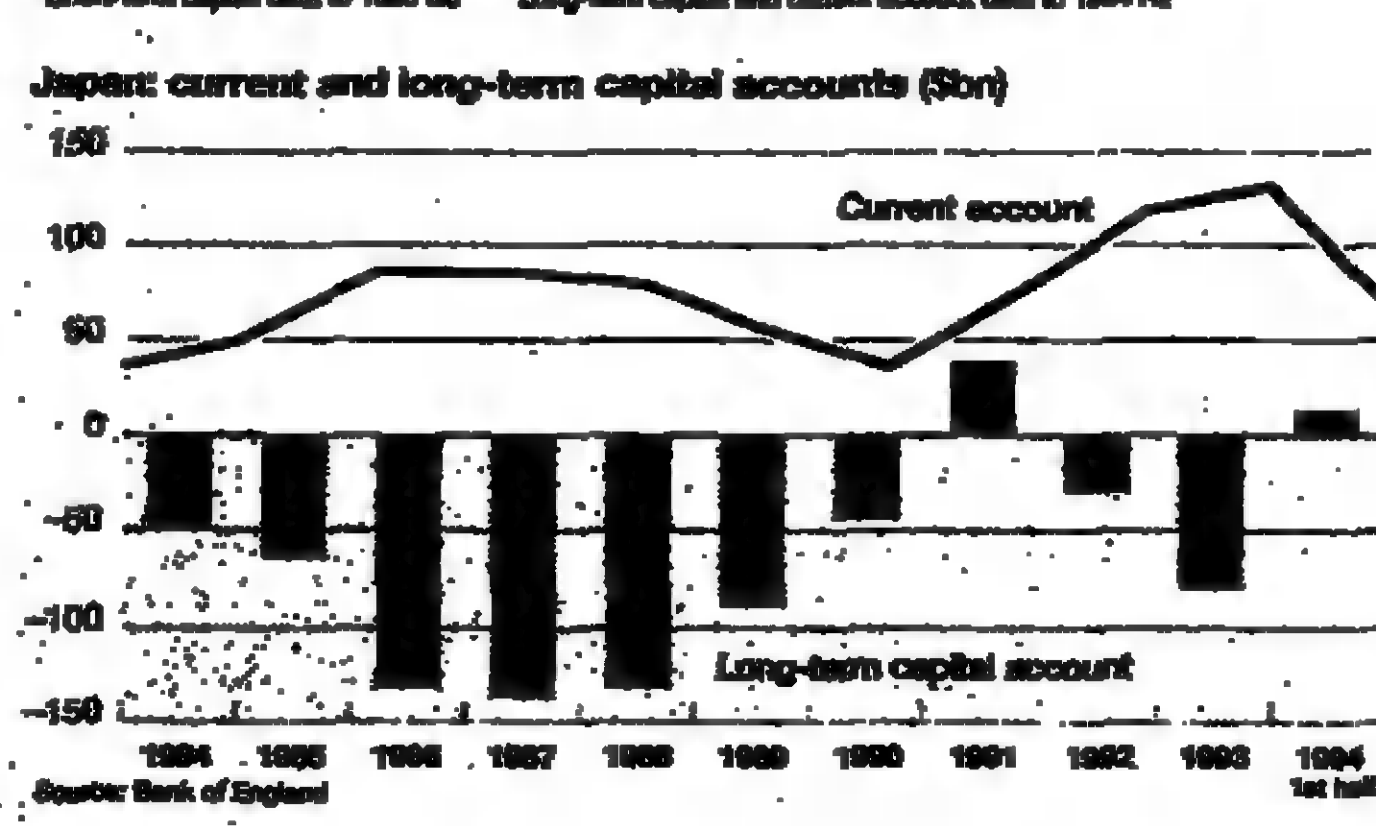
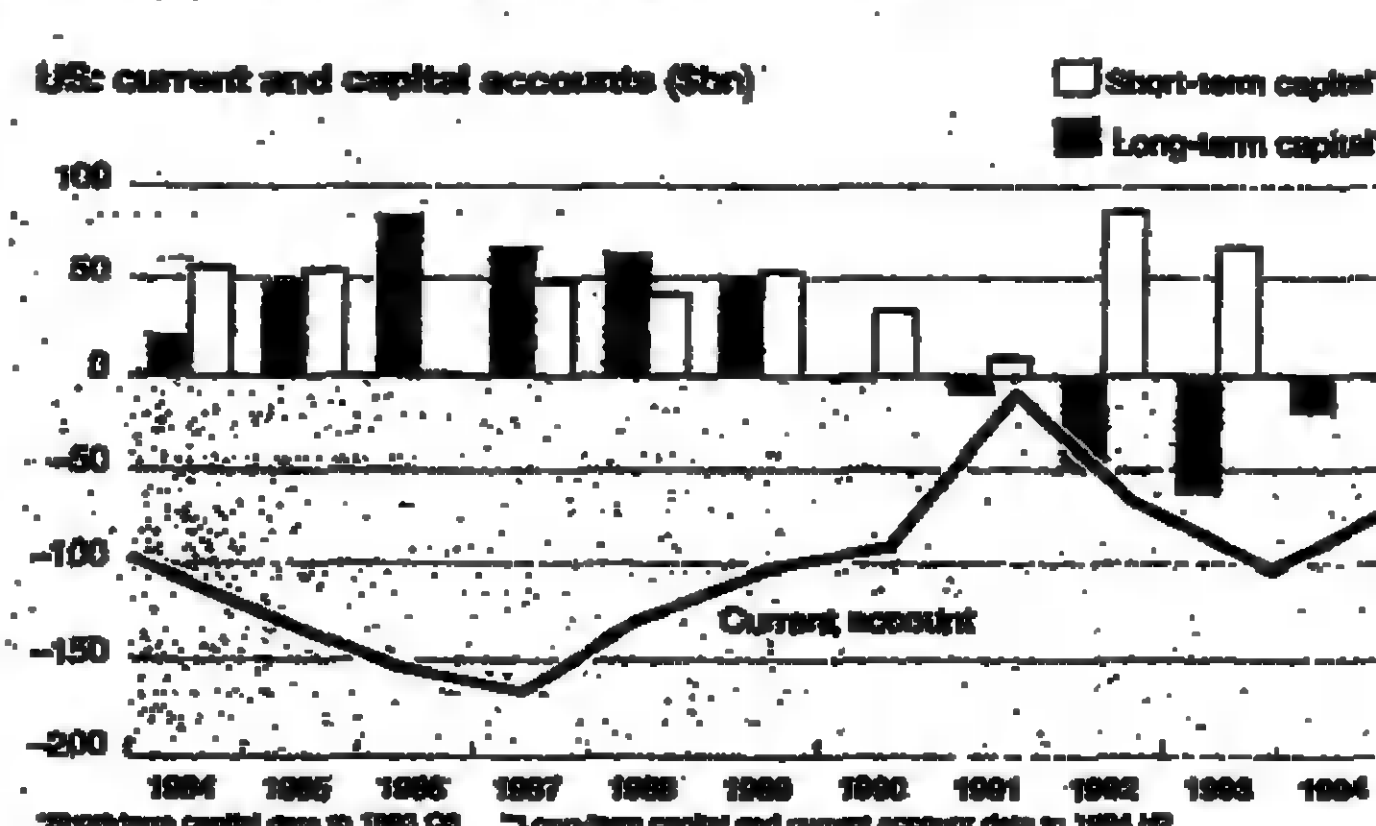
One of the problems of a US-style mortgage market, where fixed-rate mortgages are packaged and turned into securities for investors, is that the outstanding life of those mortgages changes with interest rates. If interest rates rise, mortgage borrowers have an incentive to hold on to their mortgages longer, since their interest burden is lower than the new going rate. If rates fall, they have an incentive to repay the mortgage sooner and to take out a cheaper one.

Institutional investors that use CMOs to match fixed liabilities or to speculate are thus obliged to hedge against potential changes in the life of their mortgages. Immediately after the Fed tightened in February, the duration of the mortgage component of the Lehman Brothers Bond Index, covering \$1,200bn of outstanding mortgage paper, rose from 3.47 years to 4.35 years.

Analysts at J.P. Morgan calculated at the time that to offset the increase in the duration of the portfolio, investors would have had to sell \$140bn of 10-year Treasury bonds or nearly \$250bn of five-year Treasuries. Recent estimates of such short positions range even higher.

These sums are huge, even by the standards of the bond markets. They explain a great deal of this year's selling and hedging activity in bonds and derivatives markets. They also offer a clue to why the futures markets' implicit forecasts

## Bond markets: global gyrations



of interest rates often appear so much more bearish than most commentators' assumptions. The sheer weight of money has probably been defeating arbitrageurs who would normally from out such anomalies, not least because they have been the victims of margin calls from their own banks.

The leverage in the system is still unwinding, as the US regional banks' provisions against losses on bond portfolios underline. Yet the new volatility of the bond markets is not exclusively explained by technical factors. Distortions to the underlying pattern of global capital flows are also to blame.

The natural flow of capital across the world is from Japan, with a current account surplus in 1993 of \$31bn, to the US, with a current account deficit of \$108bn. Yet as the accompanying charts demonstrate, long-term capital flows can counter the financial requirements of the two economies. The US, despite the need to finance a large current account deficit, has become a long-term capital exporter. The resulting leakage of portfolio funds from the world's biggest debtor country weakened the dollar against the yen.

Japanese investors, having lost billions on their US Treasury stocks

ball market since Europe was pulling only slowly out of recession. In the event, Europe - along with the rest of the Organisation for Economic Co-operation and Development area - saw a far greater upsurge in manufacturing output in 1994 than the forecasters expected. The perception of accelerating growth played as important a part in the movement of bond prices as the Fed's decision to tighten policy.

If the rise in yields in the British index-linked gilt market is any guide, this factor accounts for a little under 1 per cent of the rise in bond yields since February. The remaining rise in yields over the year in the accompanying table has much to do with increasing worries about credit risk.

There has been a flight from countries with a large outstanding stock of debt and a history of devaluation. In the case of Canada and Italy, the financial concerns are compounded respectively by the fear of separatism in Quebec and the weakness of the Italian political structure.

The market's worries about first world debt reflect a generalised decline in public finances. In the 15 years to 1992, gross national saving as a percentage of gross domestic product fell from 23.5 per cent to 19.4 per cent in the OECD area. Over the same period net public debt rose from 21.2 per cent of GDP to 36.7 per cent, and is projected by the OECD secretariat to rise to 43.9 per cent by 1995. These figures make no allowance for rapidly growing unfunded pension liabilities.

Governments find it easy to default on their pension promises: Germany and the UK already have, by downgrading the benefits in their state pension systems. But will governments also default on their debts to investors, either internally through inflation or externally through devaluation?

As long as real rates of interest exceed underlying real growth rates in the more heavily indebted first-world countries, default is an issue that becomes harder to ignore. Yet it is striking that governments are increasingly using their regulatory powers to give themselves breathing space in financing large structural budget deficits.

Apart from the new Japanese life assurance regime, minimum solvency requirements for US pension funds include an inbuilt bias in favour of bonds. There must also be some likelihood that the regulatory backlash in the US Congress over Orange County and other scandals will push institutional investors even further in this direction, notwithstanding the current enthusiasm for balanced budget legislation.

In the UK, pension funds will shortly be encouraged by a new minimum solvency regime to increase their bond holdings. Many are doing so already, in response to the maturing of their liabilities. Across the European Union, the decision to drop the recent pension fund directive liberalising capital flows in the single market will perpetuate domestic constraints on overseas investment and a bias in favour of government bonds.

While such regulatory market-rigging provides some protection against a foreign bond-investors' strike, it usually does so at the price of raising the borrowing country's cost of capital and increasing bond market volatility.

In the banking system, meanwhile, the Bank for International Settlements' capital regime accords a zero risk-weighting for government borrowers. This encourages a distortion in favour of those countries that the bond markets regard with most suspicion - and is a recipe, ultimately, for a repeat in Europe of the Latin American debt crisis.

The government borrowers' best hope must be that the political climate will permit fiscal adjustment on a sufficient scale to bring the bond markets round. An important lesson of 1994 is that, if the bond markets buy the story, the whiplash will prove quite as devastating on the way up as on the way down.

## Aladin's lamp in Grozny

What was the chief of Jordan's military intelligence - Ahmad Aladin Arslan - doing recently in Grozny, the Russian-besieged capital of Chechnya? To say that he was having a cosy chat with Russia's Shamsuddin - Chechnya's Jordanian-born foreign minister - hardly clears up the mystery.

The waters are further muddied by news that one of Jordan's leading parliamentarians has now begun enlisting volunteers to help the Chechnyan resistance fight Russian troops. For an insight, step back to the early 1980s, when the Ottomans set up a military garrison in (what is now) Amman, employing conscripts from the Caucasus. When Prince Abdullah, King Hussein's grandfather, became the first ruler of the emirate of Transjordan in 1921, he won Chechnyan and Chechen hearts and minds by giving important government posts to their nationals.

Today, Jordan's 80,000-strong Caucasian community remains fiercely loyal to their adopted country: an elite group acts as the ceremonial bodyguard to King Hussein.

But they also retain strong feelings for their Caucasian roots. Since the Russian-Chechnyan conflict erupted, many more than usual have taken advantage of the

resumption of flights to Moscow by the Royal Jordanian airline - including a delegation of Circassian political figures from Jordan, accompanied by Ahmad Aladin Arslan.

This plot is positively gossamer; even Jimmy Carter may need more than a couple of days to square the Circassian circle.

## Drooling Yule

For some peculiar reason people doing unusual jobs are at this time of year granted space to tell us how they will spend Christmas day. In yesterday's Evening Standard magazine, television announcer Richard Straker says that, in such an exposed job, "as soon as something goes wrong everybody notices". How true.

Nevertheless, he's looking forward to working on December 26: "I actually enjoy working on Christmas Day. In the past 10 or 11 years I must have done it a dozen times."

Global insult  
Just in case Warburg's chief executive Lord Cairns has not yet received his Christmas card from Morgan Stanley, Observer warns him not to be too upset at its contents. People entirely unconnected with the merger flop are getting the same. Not that Cairns need take

## OBSERVER



exception to the decorous cover - the *Angel Musician* by Rosco Fiorentino. But the enclosure: a blue stress ball with a picture of a globe and the legend Morgan Stanley etched upon it - together with the card's message, "Season's Greetings and best wishes for a stress-free 1995!" - might be regarded as a bit below the belt.

## Abracadabra

How humiliating. The World Trade Organisation invited photographers to turn up on December 31, to capture the birth of the world's most powerful trade body - and

not a single hack accepted. So earlier this week Peter Sutherland, the WTO's caretaker, tried a different tactic. Journalists assembled at a convenient hour, Sutherland took down the Gatt name plate outside the Geneva HQ and replaced it with the WTO's. Champagne corks popped; the historic moment was snapped. Then a lowly official took down the WTO plate and replaced it with the Gatt sign *pro tem*. Not the best augury for the new dynamic organisation.

## Silent night

Even Mincovites seem to be engaging in a little peace and goodwill. Moscow police reported yesterday that not a single murder occurred during the 24 hours from Tuesday to Wednesday (the daily average is four); the first day this year without a killing.

## Wily Wambold

Lazards' Al Wambold is a fast mover. He popped up on the Tomkins board a few weeks ago, but yesterday abruptly changed his mind about joining that of Seatchi. The *same face* may have been prompted by the fact that he reassured Maurice Seatchi that it would be wrong for the board to kick him out - and the rest of the board took no notice. In a letter to Seatchi on December 13, Wambold wrote: "Directors of a

public company, in both the US and the UK, have a fiduciary duty to act in the best interests of the company as a whole, not of any particular group of shareholders... It is not possible for the board to delegate its obligations to shareholders even if it risks being ultimately overruled in a shareholder vote."

S.C. Warburg disagreed, advising the board that because it almost certainly would lose a shareholder vote on Seatchi's future, he would have to go - and he did.

## Penang party-goer

Surely Kenneth Clarke deserves a well-earned Christmas rest? He has licked Britain's balance of payments problem, conquered inflation and got the economy growing at more than 4 per cent a year. Time to relax. Not a bit of it. While the nation rests, Britain's chancellor of the exchequer will be back at work on Wednesday, holding his regular monthly monetary policy meeting with the governor of the Bank of England. Then he is off for a fortnight's business trip to the Far East, where he will be in Penang on New Year's eve. Not a bad place for a party, according to aficionados.

## Dig this

Best cracker joke to date. Why did the archaeologist go bankrupt? Because his career was in ruins.



Strong 'invisibles' trade figures end deficits UK current account back in surplus after 7 years

By Peter Norman, Economics Editor

Britain's current account balance of payments moved into surplus for the first time for 7 1/2 years in the third quarter of this year.

The Central Statistical Office confounded City expectations of a modest deficit by announcing yesterday a seasonally adjusted surplus of £2.4bn (£1.3bn) in the three months to the end of September compared with a revised deficit of £1.1bn in the second quarter and a deficit of £2.0bn in the third quarter of 1993.

The current account has been the bête noir of governments since the second world war. News of the first surplus since the first quarter of 1987 was seized upon by Mr Kenneth Clarke, the UK Chancellor, as "crowning an excellent year for the British economy". Speaking on a day in which a MORI poll for The Times showed support for the government at a new low, Mr Clarke said Britain was "selling more goods and services

abroad than at any time".

Other official figures showed a slight easing in the rate of economic growth to 4.1 per cent in the year to the third quarter from an estimate last month of 4.2 per cent, calming fears that interest rates might have to rise early in the new year. At the same time, reports of a late surge in Christmas shopping held out the hope that retail sales in December would grow compared with last year.

The improvement in the current account reflected a sharp jump in Britain's "invisible" surplus from trade in services such as banking and insurance and investments abroad.

That jumped, according to yesterday's provisional figures, to £2.37bn in the third quarter from £1.37bn in the previous three months, and more than offset the deficit on visible trade, which fell to £1.52bn from £2.43bn.

However, part of the higher invisible surplus reflected potentially erratic movements in the volatile investment income

account. In particular, it was boosted by British banks reporting £700m of net earnings from interest rate swaps in the third quarter, which may be subject to later revision.

The investment income surplus increased between the second and third quarters to £2.73bn from £2.15bn. An improved performance by financial services, including insurance, helped to raise the surplus from trade in services to £1.39m from £822m. Offsetting those components, the deficit on transfer payments increased to £1.75bn from £1.68bn.

According to Ms Alison Wright, the director-general of British Invisibles, a trade body, the UK's private sector invisibles balance recorded a record surplus of £13.4bn in the first three quarters of this year compared with £10.5bn for the whole of last year.

Details, Page 7 Editorial Comment, Page 15 See Lex

Cunard chief to face QE2 passengers

By Richard Tomlinson in New York

Mr John Olsen, chief executive of Cunard, the UK cruise line, was preparing to board the Queen Elizabeth 2 cruise ship in New York yesterday to avert a threatened sit-in by 150 passengers angry over conditions on board.

Passengers have complained of "building site" conditions, "stinking" swimming pools and closed facilities resulting from delays in completing a \$30m refit.

The QE2 was expected in New York at 8pm local time after a stormy crossing. Some passengers were due to disembark and others to join the vessel before it continued to the Caribbean.

Mr Olsen, appearing at a press conference in New York, acknowledged that there had been difficulties aboard the vessel. Asked to comment on reports of exploding toilets, he said the biggest single issue had involved the plumbing.

"It's an extremely complicated system to get it right, and there were cases of foreign objects and soiled water in the cabins," he said. But he added that either the trouble had been fixed, or the people affected had been moved to other cabins.

Mr Olsen also acknowledged that two of the public areas, the Lido and the Yacht Club, had been out of action during the voyage, but said they were now open. He said he would be using them to address all the passengers in two assemblies when the vessel arrived.

He promised to meet the protesters, including Mr Peter Ludlow, who has emerged as a spokesman, and hoped to persuade them to co-operate in disembarking "in an orderly fashion" so that Cunard could deliver "as near a normal service as can be provided" to passengers continuing the voyage. The liner was due to leave at midnight.

Mr Olsen said Cunard originally expected the QE2 to leave New York with about 1,400 passengers aboard. Instead it would only accommodate 750, about 250 of whom had joined it in Southampton and the rest of whom would join it in New York. Among those disembarking would be 300-400 contractors who had been working to complete the refurbishment during the transatlantic voyage.

Responding to the criticisms that the vessel was like a building site, Mr Olsen said: "We did have a certain amount of interaction between the workers and our passengers and the crew which was largely reasonable, but which in some stages was not all it might have been."

Mr Olsen said the QE2 was like a "national heritage monument" in the UK and it was astonishing how much attention the ship created.

He refused to say whether Cunard would sue the contractors, but said everyone involved in the refit knew the tight time frame and had signed up to it.

Congressman's book deal proves a mixed blessing

By Jurek Martin in Washington

Santa Claus has come early for Congressman Newt Gingrich, the next speaker of the US House of Representatives, but the Christmas present - a book advance said to be worth \$4m - has been instantly transformed into a distinctly unholy row.

The congressman's office yesterday confirmed a report in the Washington Post that Mr Gingrich would soon sign a contract with HarperCollins, the New York publishing subsidiary of Mr Rupert Murdoch's News Corp, for two books. He would write one about his own political philosophy and edit the other, a political anthology.

The report, quoting publishing sources, put the advance at \$4m and an aside to Mr Gingrich said:

"That's about the figure I've heard."

Whatever the sum, it far exceeds the congressman's previous literary earnings, such as the modest \$15,000 commission he received last year to write an as yet unpublished novel.

Not surprisingly, the White House jumped all over the story yesterday. Mr Dee Dee Myers, in her last day on the job as press secretary, said the deal "raises some very important questions", such as the "size and timing" of the payment.

Mr James Carville, President Bill Clinton's campaign manager in 1992, was typically more to the point. "This is the first guy who tried to cash in before he was sworn in. Are you sure he's not going to give it to some orphanage?" - an allusion to one

of the next speaker's solutions for the US's welfare problem.

Mr Gingrich hit back: "What more do I need to say? Conservative books sell. I can't help it if liberal books don't sell."

HarperCollins has recently published several books by prominent conservatives. Its authors include Mr Dan Quayle, the former vice-president, and Mr Oliver North, architect of the Iran-Contra scandals who last month narrowly lost a senatorial election in Virginia.

Nor is it being overlooked that in the late 1980s, Mr Gingrich led the charge against a previous Democratic speaker, Mr Jim Wright, for having entered into a "sweetheart" publishing deal of his own. Mr Wright was eventually forced to resign. Mr Gingrich does not appear so inclined.

Deal on EU fish dispute

Continued from Page 1

traditionally fished in the Irish Sea and Bristol Channel anyway.

Mr Waldegrave said: "I would have liked to have [kept] the Celtic Sea as well," but "it was clear that we weren't going to get that". However, he insisted, the main point was that "there will be no Spanish free-for-all".

Euro-sceptic British Conservative party MPs, however, attacked the deal, saying the government had submitted to "blackmail" from Spain and Portugal.

Peso continues to fall

Continued from Page 1

finance minister, flew to the US yesterday for talks with US government officials, and also spoke to big institutional investors in an attempt to calm nerves.

"We took a pretty hard hit," said a senior finance ministry official. "We had to let it [the trading band] go." The official said international reserves currently stood at about \$7bn, down about \$10bn from November 1.

The IPC index, the main indicator of the Mexican stock market, was up 3.21 per cent after zigzag-

ging all morning. But Mexican equities in New York were off sharply, with the most actively traded stock - Telcel - trading at \$40.75, down nearly 10 per cent.

Analysts said the devaluation would make the Mexican government's 1995 forecast of 4 per cent economic growth and 4 per cent inflation obsolete.

Government officials stressed that the 1995 budget would remain balanced, even if it meant contracting government spending in order to compensate for losses in tax revenue and an increase in debt service payments.

**Europe today**

A zone of high pressure will ensure dry and calm conditions in the UK, throughout the Low Countries, in Poland and in central Russia. Conditions will be generally cloudy with widespread, persistent fog.

Northern Ireland and Scotland will have rain. A zone of low pressure over the Mediterranean will cause rain and showers from Italy to south-eastern Europe.

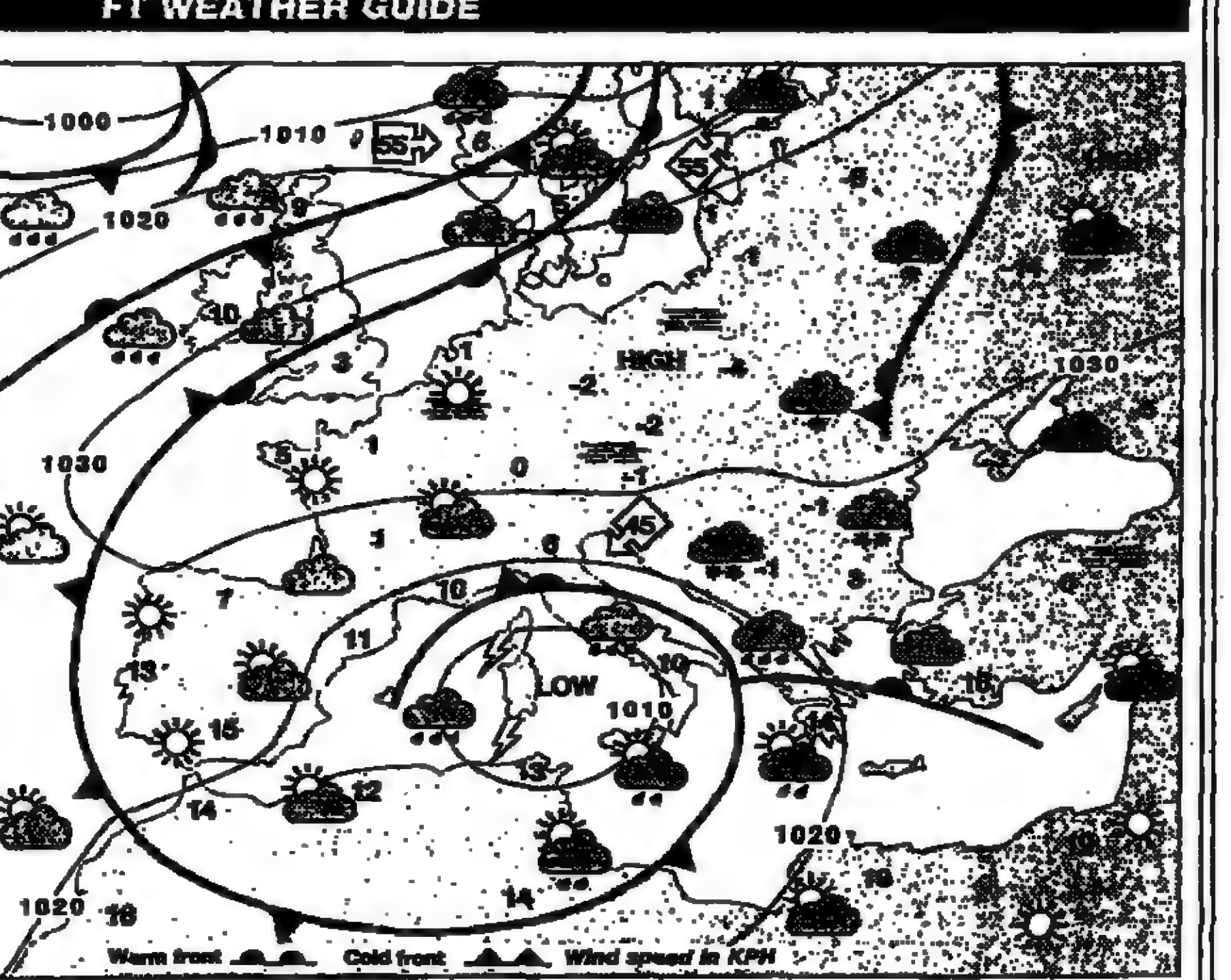
There will be chilly easterly winds in northern Italy.

Sunny conditions will prevail in Spain and in Portugal, with seasonably cool temperatures. Cloud and snow showers will shift from northern Russia into Bulgaria.

**Five-day forecast**

A large depression will move slowly eastward across the Mediterranean towards Greece by Monday. As a result, cloud and rain will spread into Greece and Turkey during next week. At higher elevations and near the Black Sea, snow will fall.

Over western Europe, an expansive high pressure system will keep conditions settled, with widespread, persistent fog.



TODAY'S TEMPERATURES

Location	Temp	Location	Temp	Location	Temp
Abu Dhabi	32	Amman	25	Algiers	12
Accra	32	Antananarivo	25	Athens	18
Aden	32	Bangkok	32	Batavia	32
Algeria	12	Bombay	32	Buenos Aires	12
Amman	25	Brazzaville	25	Calcutta	32
Algiers	12	Brussels	12	Cairo	32
Amsterdam	12	Bucharest	12	Cape Town	12
Antwerp	12	Buenos Aires	12	Caracas	25
Arad	12	Bombay	32	Cebu	32
Asmara	32	Brazzaville	25	Colon	32
Atenas	18	Buenos Aires	12	Dakar	25
Auckland	12	Buenos Aires	12	Dhaka	32
Azores	12	Buenos Aires	12	Dubai	32
Bahia	25	Buenos Aires	12	Durban	25
Baku	12	Buenos Aires	12	Edinburgh	12
Bangkok	32	Buenos Aires	12	Geneva	12
Barcelona	12	Buenos Aires	12	Hankow	12
		Buenos Aires	12	Hong Kong	25
		Buenos Aires	12	Hyderabad	32
		Buenos Aires	12	Istanbul	12
		Buenos Aires	12	Jakarta	32
		Buenos Aires	12	Kobe	12
		Buenos Aires	12	London	12
		Buenos Aires	12	Lyons	12
		Buenos Aires	12	Madrid	12
		Buenos Aires	12	Moscow	12
		Buenos Aires	12	Mumbai	32
		Buenos Aires	12	Nairobi	25
		Buenos Aires	12	Osaka	12
		Buenos Aires	12	Paris	12
		Buenos Aires	12	Rangoon	32
		Buenos Aires	12	Reykjavik	12
		Buenos Aires	12	Rio de Janeiro	25
		Buenos Aires	12	Rome	12
		Buenos Aires	12	Sao Paulo	25
		Buenos Aires	12	Seoul	12
		Buenos Aires	12	Shanghai	12
		Buenos Aires	12	Singapore	32
		Buenos Aires	12	Stockholm	12
		Buenos Aires	12	Taipei	12
		Buenos Aires	12	Tokyo	12
		Buenos Aires	12	Toronto	12
		Buenos Aires	12	Vancouver	12
		Buenos Aires	12	Warsaw	12
		Buenos Aires	12	Washington	12
		Buenos Aires	12	Wellington	12
		Buenos Aires	12	Winnipeg	12
		Buenos Aires	12	Zurich	12

THE LEX COLUMN

Tequila sunset

Emerging markets enthusiasts have been faced with the prospect of a nightmare before Christmas. The Mexican devaluation set off a whirl of panic that spread from central America all the way to Argentina.

With hindsight, the Mexican devaluation seems inevitable. The country funded its huge current account deficit through capital from abroad, especially the US. Foreign investors were content to provide funds as long as they ran no currency risk - the peso was pegged to the US dollar - and Mexican interest rates were double those in the US. But a combination of higher US rates and Mexican political crisis reversed the flow of funds. With the government's limited foreign currency reserves quickly running out, the logical response was a devaluation capable of correcting the deficit by cutting imports and boosting exports.

The theory of devaluation was economically justified, but poorly executed. The subsequent debate thrusts us to scatter six years of stability to the winds. Overseas investors have taken a bath. While the equity market may have weathered yesterday better than expected, the peso's fall knocked another 10 per cent off the value of foreign investors' portfolios. Future prospects are not rosy. Corporate earnings in the final quarter will suffer from increased financial charges on their dollar debt, while economic growth could slow because of increased interest rates. Bargain hunters may return once the currency has stabilised, but bruised investors may well conclude Latin America remains as unreliable as ever.

**UK economy**

A current account surplus for the UK is exciting by its very novelty. The last time the country posted a quarterly surplus was in 1987. The chancellor's enthusiasm yesterday was therefore wholly understandable. Whether the surplus remains sustainable is another matter. Exports, which have put in a powerful performance so far this year, should not be the problem. Take the automotive industry: year-on-year quarterly car production was up 11.5 per cent. While output for the home market was up only 2.6 per cent, production for export rose 27 per cent. Such achievements should be sustained in this and other sectors as the continental economies continue to recover.

The difficulties lie on the imports side. Domestic consumption may have

**Bundesbank**

In 1993 and 1994, the Bundesbank cut short-term interest rates despite ballooning growth in M3 money supply. Next year, the opposite could happen: M3 growth will slow or be altogether reversed, but interest rates are likely to go up. Special factors can be blamed for the fluctuations but, as a practical matter, monetary policy has become divorced from money supply targeting. Yesterday's decision to leave unchanged the M3 target for next year does not hold the key to what happens to German short-term interest rates next year. More important is the outlook for medium-term economic growth and inflation. On the inflation front, the picture for the next six months is encouraging by spring, headline inflation is set to fall to close to the Bundesbank's 2 per cent target. Thereafter, inflation is set to rise as

the economic recovery gathers pace.

Third-quarter gross domestic product figures showed a marked acceleration in growth, suggesting that demand is taking over from exports as the engine of recovery. With German GDP growth forecast to come in at 3.1 per cent this year and next, industry is working at close to full capacity, adding to price pressures. The wage round is another risk, and it is distinctly possible that the government will resort to further inflationary tax increases in 1996 in an attempt to plug its spending shortfall. As always, monetary policy is a balancing act, and the Bundesbank will be mindful of the impact of January's solidarity surcharge on consumer confidence and the likelihood is that the Bundesbank will launch a pre-emptive strike to avert future inflation in the bud.

**Northern Electric**

Northern Electric's first letter to shareholders gives little sense of a defensive strategy against the TSBG House bid. But Northern can afford to take its time.

A government special share and a restriction on ownership of more than 15 per cent of a regional electricity company should both be removed by early April. But referral to the Monopolies and Mergers Commission could frustrate the battle.

The current share price, 4 pence below the cash offer, suggests expectations of a referral. This might be impossible to pursue on commercial grounds, but the justification of "public interest" provides sufficient breadth to squeeze through a referral, before a likely glut of other bids together with pressure from politicians, could mean a decision which is clearly against the interests of shareholders in both companies.

Even so, the bid would be unlikely to be blocked. And referral could give Northern six months to sharpen its defences, before predators returned. As one regional electricity company is very much like another, the defence will have to bring out the attractions of the sector as a whole. However, Northern will also have to emphasise its individual allure, and this will probably be done through hard cash. It has next to no debt, and could well afford to reward loyal shareholders with special dividends. Referral talks has depressed Northern's share price, but it still remains in play. Shareholders should be patient.

I'D WELCOME A HOMELESS PERSON WITH A DRINK PROBLEM INTO MY HOUSE. I'M EXPERIENCED IN DRUG AND ALCOHOL COUNSELLING AND I'M MORE THAN CAPABLE OF DEALING WITH ANY VIOLENT SITUATIONS THAT MAY ARISE.

I'D PREFER TO MAKE A DONATION SO ST. MUNGO'S CAN DO IT.

IF YOU ANSWERED A THAT'S GREAT. IF YOU ANSWERED B THEN GIVE WHAT YOU CAN TO THE ORGANISATION THAT DOES MORE FOR LONDON'S HOMELESS THAN ANYONE ELSE. ST. MUNGO'S, WHICHEVER BOX YOU TICK THEY AMOUNT TO THE SAME THING, HELP.

PLEASE SEND YOUR DONATIONS TO: ST. MUNGO'S ASSOCIATION CHARITABLE TRUST, ROOM 8, 217 BARNUM ROAD, LONDON SE20 8JZ.

IN BRIEF

**Ciba buys R operations**

Swiss pharmaceutical giant Ciba has bought the UK-based R operations of the French chemical giant Rhone-Poulenc, the French firm said yesterday. The deal, valued at \$1.5bn, will create a new entity in the UK and Ireland.

**Former Bonetto director quits**

A former director of Bonetto, a UK-based company, has quit the company after a dispute over a share sale. The director, who had been in the company for 10 years, had been offered a share sale by the company's board.

**British Assets restructure**

Shareholders of British Assets have agreed to a capital restructure which will result in the first £100m of the company's £1.5bn being paid out to shareholders.

**BT Securities agree to sell**

BT Securities, a subsidiary of British Telecom, has agreed to sell its stake in BT Securities to the company's parent, British Telecom.

**Life after Montague**

Mr Montague, the former chief executive of British Telecom, has left the company after 10 years. He will be replaced by Mr Peter Wright.

**Wheelock rises 13%**

Wheelock, a UK-based company, has risen 13% in the last 12 months. The company's share price is now at a high of 13 pence.

**BTN Nylas purchase**

Investors and analysts have welcomed the purchase of Nylas by BTN. The purchase is seen as a move to diversify BTN's portfolio.

**Credit Lyonnais in sale talks**

Credit Lyonnais, a French bank, is in talks to be sold. The bank is one of the largest in France and has a long history.

**Therapy for Christmas**

For doctors, Christmas is a time of year when patients with mental health problems are more likely to be admitted to hospital. The doctors are working hard to keep the patients safe.

**Seoul shares climb**

Shares in Seoul, South Korea, have climbed in the last 12 months. The Korean stock market is showing signs of recovery.

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## INTERNATIONAL COMPANIES AND FINANCE

## Ciba to acquire RPR's consumer medicines arm

By Daniel Green in London

Rhone-Poulenc Rorer, the US-based drugs arm of Rhone-Poulenc, the French chemicals company, is to sell its north American consumer medicines operations to Ciba of Switzerland.

The deal, worth up to \$500m over seven years, includes the sale of Maalox, a 45-year-old brand that has lost market share in recent years and is no longer the best-selling antacid in the US.

RPR blamed the decline of Maalox on its decision to sell. The company was only 16th in the US non-prescription over-the-counter (OTC) market and "did not have the necessary critical mass". It had tried to forge alliances with other companies without success.

Mr Roland Jeanneret, head of Ciba's OTC division, said the acquisition would add about 20 per cent to the sales of Ciba's OTC division worldwide, which stand at about \$7.1bn (\$7.1bn).

It would almost double US sales, putting the company into the top 10 there, said Ciba. RPR said its OTC business in the US and Canada was expected to have 1994 sales of \$1.5bn, with Maalox contributing \$100m.

The agreement calls for an initial payment by Ciba of \$180m for assets and intellectual property rights for seven years. Ciba also pays \$24m a year for seven years, at the end of which it has the option to buy the intellectual property outright for \$143m.

The net present value of the transaction is \$407m, assuming the option is exercised. Ciba also has first refusal on RPR prescription products eligible for sale as consumer medicines in North America.

RPR said sales by its North American OTC brands represented less than 4 per cent of total sales. The company keeps its European OTC business, including the right to sell Maalox outside North America.

Maalox in Europe had most of its sales through hospitals and pharmacies, rather than supermarkets as in the US, presenting it with fewer marketing problems than in the highly competitive US market.

Ciba said the acquisition would not have a significant effect on gearing or earnings per share. The deal is the largest by Ciba in OTC. The most recent was the \$140m acquisition of UK company Fisons' consumer medicines business in North America in 1992.

## Borland sees operating loss in third quarter

By Louise Kehoe in San Francisco

Borland International, the troubled US computer software company, expects a "substantial" operating loss for its third fiscal quarter, with revenues falling sharply from the previous quarter.

The group said it was planning a restructuring in the first quarter of 1995. Analysts said Borland was expected to lay off about one-third of its 1,700 employees next year.

Borland also said its chief operating officer, Mr Keith Maib, planned to resign. The share price dropped to \$6 in mid-session yesterday, from Wednesday's close of \$7. This week the stock has fallen 19 per cent.

"We must re-engineer and re-focus the company in a manner that enables it to operate profitably and allows us to meet the changing needs of our customers, especially as they move to client-server," said Mr Philippe Kahn, chairman and chief executive.

Borland has been hurt by price-cutting and delayed products. The company had planned its hopes on a new version of its database program, dBase for Windows, introduced this summer. But analysts said sales had been disappointing.

Borland reported net income of \$350,000, or 1 cent a share, in the second quarter, down from \$2.5m, or 11 cents, a year earlier.

## Israeli firm joins Price Waterhouse

By Jim Kelly, Accountancy Correspondent

Somekh Chaikin, a large Israeli professional services firm, is to join the Price Waterhouse worldwide organisation.

Mr David Morris, head of audit and business advisory services for PW in the UK, said: "As business conditions improve in the Middle East, our clients are showing an increasing interest in the region."

## Stanhope story drawn towards a sad end

Stuart Lipton, the group's founder, is trying to stave off receivership, writes Simon London

The suspension of Stanhope Properties' shares yesterday, after the breakdown of negotiations with banks owed £140m, (£216.4m) leaves the UK's most influential developer of the last decade hanging by a thread.

The company's credit facilities ran out at 3.30pm yesterday after a three-day extension granted on Monday by 16 banks. Last night, the company and its advisers were trying to stave off receivership and avoid a sad ending to the Stanhope story.

When Mr Stuart Lipton started Stanhope 11 years ago - from tiny offices in Stanhope Gate, Mayfair - he was a familiar figure on the property scene. In 1976, Mr Lipton had founded Greycoat Estates, along with Mr Geoffrey Wilson and Mr Ron Spimney. During the late 1970s and early 1980s, Greycoat took part in some of London's most imaginative office developments.

These included Cutlers Gardens, built around old East India Company warehouses on the fringe of the City of London, and Victoria Plaza straddling Victoria Station. Mr Lipton left Greycoat abruptly in 1983. While there were rumours of a rift with his partners, he said that he simply wanted a change of scene.

In spite of Stanhope's modest beginnings - Mr Lipton's initial investment was £100,000 - the company was soon involved in a string of ambitious projects. By the time of its flotation on the Unlisted Securities Market in 1987, Stanhope had helped develop the Stockley Park office park near Heathrow Airport, one of the first in the UK. Work on the large Broadgate office development in the City was under way, in partnership with Mr Geoffrey Bradman's Rosehaugh.

Stanhope's flotation prospectus detailed the first two completed phases of Broadgate and plans for four additional phases. Eventually, 14 phases were built, providing 3.5m sq ft of offices.

With such an impressive development record, investors were more than ready to back Mr Lipton. The tender price for Stanhope's shares was set at 260p, well above the 180p minimum price, giving the company a market value of £277m. The following year, Olympia & York, the Canadian developer responsible for Canary Wharf and controlled by the Reichmann family, paid £17m for a 29.9 per cent interest in the company.

Mr Lipton's reputation was at its height. Stanhope and Rosehaugh were chosen to redevelop 125 acres around King's Cross station, which would have been Europe's largest inner-city development, and the large Royal Docks area of docklands. Stanhope also backed a controversial scheme to redevelop the South Bank arts complex. While none of these grand designs came to fruition, the company's shares peaked at 331p in mid-1988, valuing Stanhope at £500m.

Its decline since then can be blamed on the worst property recession in living memory and the way in which Stanhope was financed. Under the influence of Mr Bradman, who had imported non-recourse financing techniques from the US, the Broadgate development was funded almost entirely with bank debt.

All the equity in the project was retained by Stanhope and Rosehaugh, each of which held a 50 per cent stake in Rosehaugh Stanhope Developments, later renamed Broadgate Properties.

When property prices were rising, this high leverage worked in favour of Stanhope shareholders. The company's net assets soared from £42m in 1987 to £457m in 1990. As property prices fell, though, the value of Broadgate to its shareholders was quickly eroded. Once the bank debt supporting Broadgate is deducted, Stanhope's half-share in Broadgate

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Mr Bradman was regarded as one of the best financiers in the property sector, yet Rosehaugh went into receivership two years ago. Greycoat - headed by Mr Geoffrey Wilson until last year - only survived by a whisker.

"To say Stuart does not care about profit margins and efficiency is laughable," said one former development partner. "He revolutionised construction techniques in this country and made buildings far quicker and cheaper to erect. The truth is that no-one saw the recession coming."

Whatever the future for Stanhope, few doubt that Mr Lipton could, if he chose, build many more fine buildings. He has only just passed his 50th birthday and, in spite of yesterday's events, his reputation as a developer remains intact.

Others of his generation have proved that episodes of financial distress are not a permanent barrier in an industry accustomed to boom and bust. After a brief spell in Germany following the collapse of Rosehaugh, Mr Bradman is operating from offices close to Regent's Park. While shareholders who backed Stanhope may feel less than sympathetic, history has proved that building fine buildings is a risky business from which few escape unscathed.

There is no doubting Mr Lipton's legacy as a developer. The Broadgate complex, in particular, is widely regarded as the City of London's most successful development since the second world war. Broadgate moved the City's centre of gravity to the north - an area regarded as a backwater by most City companies.

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## Cautious welcome for BTR Nylex deal

By Nikki Tait  
in Melbourne

Investors and analysts yesterday gave a cautious welcome to the BTR Nylex deal, the Australian-listed arm of the UK's BTR group, was back on the acquisition trail with the A\$800m (US\$620m) purchase of Formica Corp, the New Jersey-based laminates manufacturer which has been undergoing a series of leveraged buy-outs and refinancings in recent years.

By yesterday's close, BTR Nylex shares had gained 4 cents to A\$2.47, while in Lon-

don BTR rose 1/4 to 290p in active trading of 10m shares.

The US deal comes in the wake of concerns that BTR Nylex had lost direction, and a sharply weaker share price following the release of disappointing interim results in September. Earlier this month, in an effort to address these problems, the company announced that it was calling in an outside director, part of whose job would be to identify acquisition opportunities.

Yesterday, in Melbourne, the company acknowledged that the Formica transaction, which

was already in the pipeline before Mr Aiken's appointment, could double the gearing ratio - perhaps to 30-35 per cent. But it did not see this as a limitation on further deals.

The Formica consideration of A\$800m will comprise the assumption of the US group's debts, put at A\$440m at end-September, with the balance payable in cash. The principal sellers, who have all agreed to accept the terms, are Dillon Read, the US investment bank, with a 51 per cent interest; Masco Corp, with 23 per cent; and Formica's management, with 7 per cent.

Formica is the number two force in the US decorative laminates market, with total sales in 1993 of A\$500m. More than half the sales are in the US, with the UK, France and Spain accounting for a further 30 per cent. About 11 per cent of revenue comes from Asia.

Pre-interest operating profits last year were A\$45m, but finance charges of A\$62m left an after-tax loss of A\$17m. Mr Jackson said Formica had been paying an overall rate of about 14 per cent on its debt burden, but a recent refinancing had cut this significantly. BTR Nylex did not expect any dilu-

tion of earnings in year one as a result of the deal.

BTR maintains the US interests should tailor neatly with the Australian-based Laminex business, and that its own knowledge of the Asian markets should help it to boost Formica's sales there. According to Mr Jackson, Laminex's pre-interest margins are around 18-20 per cent, more than double Formica's.

The two BTR laminates businesses will have sales of A\$500m annually, making this division the biggest decorative surfaces manufacturer world-

### NEWS DIGEST

## Strong yen forces Sega to shift output to SE Asia

Sega Enterprises, the Japanese video game manufacturer and creator of Sonic the Hedgehog, cited continuing strength of the yen as the reason for shifting production of hardware for its next-generation video-game to south-east Asia, writes Emiko Terazono in Tokyo.

The company said it would move the manufacturing base of its 32-bit game machines to Taiwan and other countries in the region next year. The products are currently being manufactured in Japan by a subsidiary of Hitachi, the Japanese electronics concern, on behalf of Sega.

Sega officials said it was difficult to make profits at a dollar/yen rate below Y100. The company's foreign-exchange losses for sales in the US totalled Y1.1bn (\$10m) in the first half to September.

However, the company said it was seeing strong sales of its new 32-bit game hardware and it was possible that manufacturing in the south-east Asian region would be expanded.

## Pacific Dunlop forms venture in Sri Lanka

Pacific Dunlop, the Australian conglomerate, has formed a new joint venture with the Development Finance Corporation of Ceylon, Sri Lanka's largest listed company, and this in turn has acquired a 75 per cent interest in Kelani Cables, a local cable manufacturing business, writes Nikki Tait.

Pacific Dunlop, which has a majority interest in the Lanka Olex joint venture, said about A\$23m (US\$17.8m) would be invested in Kelani Cables over the next three years, with the aim of making this the first local manufacturer of metallic telecommunications cables in Sri Lanka. A new plant will be built as part of the venture, and this should start operating by early 1996.

Kelani Cables will also act as the representative offices for other products being exported by Pacific Dunlop's cables business. The Australian company takes in Olex Cables, which is one of Australasia's largest manufacturers of power and telecommunications cables.

## Unison network insurers to exchange directors

Leading members of the Unison international insurance broking network have announced an exchange of board directorships among European and US partner companies, writes Ralph Atkins in London.

Mr John Gussenhoven, Unison president, said the exchanges could be a prelude to increasing cross-shareholdings between members, all privately-owned insurance brokers. Unison's members include US group Johnson & Higgins, Jauch & Hübner of Germany, Gras Savoye of France and Gil y Carvajal of Spain. Unison has a network of some 250 offices in

about 60 countries and acts, in effect, as an international network for members. Mr Gussenhoven said each company valued their independence but expanding cross-shareholdings could allow members to participate in each other's results.

Johnson & Higgins announced it has appointed three new directors: Mr Christian Dahms, partner of Jauch & Hübner; Mr Patrick Lucas, chairman of Gras Savoye; and Mr Santiago Gil de Biedma, chairman of Gil y Carvajal.

Similarly, Jauch & Hübner announced it would add three new members to the appropriate board, including Mr Gussenhoven, director of Johnson & Higgins.

## CRA provides more for copper buy-out costs

CRA, the Australian mining group, said yesterday that it would take a further A\$150m (US\$98m) after-tax provision to cover the costs of buying out its Japanese partners in Southern Copper, and closing and possibly demolishing the smelting operation, writes Nikki Tait. The provision is in addition to writedowns on the investment in previous years, and will be treated as an abnormal item against 1994 earnings.

The decision to close the facilities has already been announced, but CRA, which is 49 per cent owned by RTZ of the UK, said yesterday that it formally bought out its partners, Nishio Iwai and Furukawa.

## Reliance/Enron given three oil fields by India

India will hand over three oil and gas fields to a joint venture between Reliance Industries and Enron of the US, according to local press reports, Reuters reports from New Delhi.

An oil production deal is due to be signed tomorrow by the government, the state-owned Oil and Natural Gas Corporation (ONGC), which currently owns the fields, and the Reliance-Enron consortium.

Petroleum ministry officials were not immediately available for comment.

The three oilfields, Mukta, Panna and Tapti, off India's west coast, would be tapped by Reliance and Enron for oil and natural gas. The deal is a part of India's privatisation programme. The reports gave no details on either the cost of the deal or the amount of recoverable oil and gas in the fields.

The decision to sign the deal would follow months of debate over concessions that could be made to the private consortium by the Indian government. The consortium already owns a 60 per cent stake in the Mukta and Panna oilfields.

## Two to quit Tokyo SE

Hewlett-Packard of the US and US West are to delist their shares from the Tokyo Stock Exchange with effect from March 31 1995, AP-DJ reports from Tokyo. The planned delistings are subject to approval of the TSE and Japan's finance ministry.

## Coca-Cola Amatil in \$240m Polish move

By Nikki Tait

Coca-Cola Amatil, the Australian soft drinks company which is 51 per cent owned by Atlanta-based Coca-Cola, said yesterday it would buy its parent company's bottling operations in Poland, plus certain local distribution rights, for about US\$240m.

The assets being acquired include four bottling plants in Gdynia, Niepolomice, Sroda Slaska and Radzynin. CCA will also acquire the exclusive rights to make, distribute and market certain Coca-Cola products in the Gdynia, Krakow and west Poland territories, and to manufacture trademarked beverages in single-fill PET bottles and cans at Radzynin to supply companies which have distribution rights in the rest of Poland.

CCA said the three territories account for 80 per cent of the Polish population.

The purchase price will be US\$237.5m if settlement occurs by end-January. CCA said it would fund the consideration from internal cash resources.

CCA has been steadily expanding its interests in central and eastern Europe, and the Polish deal was known to be under negotiation. The Australian group is now represented in Austria, Hungary, the Czech and Slovak republics, Belarus, Slovenia and Ukraine.

## Wheelock 13% ahead at halfway stage

By Louise Lucas  
in Hong Kong

Wheelock and Company, the Hong Kong holding company for the late Sir Y.K. Pao's listed corporate empire, yesterday announced a 13 per cent rise in interim net profits, to HK\$1.05bn (US\$137m) from HK\$940.5m at the halfway stage last year.

Profits were lifted by an exceptional gain of HK\$79.2m on property sales. Earnings per share rose 14 per cent to 52.6 cents from 46.1 cents, and shareholders are to receive an interim dividend of 10.5 cents, up 10.5 per cent from last year's 9.5 cents a share.

The government's measures to curb speculation in the property market, which were implemented in June in an attempt to temper overheating home prices, were partially blamed for the relatively modest growth.

Developers' inability to book profits from sales because of the lack of government pre-sale consent means units not sold will be deferred to later years.

However, Wheelock believes its landbank, accumulated at a low cost relative to that prevailing in the secondary market, will ensure a good cushion of profit in future years.

In addition to Hong Kong, Wheelock has about 25m sq ft

of landbank in South China.

Mr Peter Woo, group chairman, said the profit rise was solid when viewed against the unfavourable property and retail environments, and the fact the company has been in a building mode.

He said: "In a tough cyclical economic environment we see an opportunity to build, since the group's debt position is low. The group will continue the process of value building, recognising that expansion during the start-up years often results in marginally lower profits."

On the retail side, luxury department store group Lane Crawford saw profits slump 47

per cent to HK\$52.7m from HK\$99.2m over the six-month period.

This was attributed to significant start-up costs of new stores in Hong Kong and Singapore, general weakness and over-supply in these two markets, and a wet summer in Hong Kong.

Poor conditions in the retail market notwithstanding, there are plans to build Lane Crawford's franchise.

About 66 per cent of the interim profits came from group associate The Wharf (Holdings), Wheelock's 44 per cent-owned associate whose interests include property, infrastructure and hotels.

## Tata Tea gets a taste for expansion

India's biggest plantation group is seeking acquisitions, says Kunal Bose

When Tata Tea, India's biggest plantation group, made known its target of eventually doubling tea output from its present level of 58m kg, it was clear that it would be on the acquisition trail.

It is one of several which has looked at Tetley, the tea business put up for sale by Allied Domecq, the UK spirits group.

Analysts believe Allied might be asking about \$275m (\$65m) for Tetley, which generates operating profits of about \$26m on annual turnover of about \$360m.

Tata and Tetley already operate one joint venture, an export-oriented tea-bag manu-

facturing unit in Cochin. Tata Tetley tea bags are selling well in western Asia and Poland, where a production unit is likely to be set up.

Tata is the only Indian tea company to move from a production-led to a market-led producer of tea and set up a base in the US to market instant tea.

Breaking away from a long tradition of selling tea in bulk, Tata Tea, which owns 52 tea estates, has pioneered in India the marketing of tea with added value, such as tea bags, packet tea and tea in polybags.

Tata Tea stands out in establishing several consumer brands, in competition with

the long-established players in the Indian market such as Brooke Bond and Lipton.

Having consolidated its position in the value-added market, the management has turned to acquiring new estates. Recently it bought Borjan tea estate, spread over 872 hectares in Assam. It believes it can raise productivity at Borjan to more than 2,000 kg a hectare from the present 1,390 kg.

The company is hopeful that its negotiations with several tea estate owners will yield positive results. Except for Darjeeling where the best tea in the world is grown, Tata Tea owns gardens in all tea-growing centres in India. The strat-

egy will be to buy gardens and then bring them up to the Tata Tea standards.

"Tata Tea is financially very strong to bid for a number of tea estates simultaneously. It has reserves of nearly \$70m and it has a debt-to-equity ratio of 0.61," said an analyst with a leading merchant bank.

Tata Tea, which two years ago took over Consolidated Coffee, is now acquiring a majority stake in Asian Coffee, the instant coffee manufacturer. Tata Tea has a joint venture in Sri Lanka, which manages several tea estates in the island. It will bid for some tea estates in Sri Lanka when there is privatisation.

### CONTRACTS & TENDERS

**GOVERNO DA BAHIA**

EDITAL DE CONCORRÊNCIA INTERNACIONAL Nº 0084  
REPÚBLICA FEDERATIVA DO BRASIL  
GOVERNO DO ESTADO DA BAHIA  
SECRETARIA DE ENERGIA, TRANSPORTES E COMUNICAÇÕES - SETC  
DEPARTAMENTO DE ESTRADAS DE RODAGEM DA BAHIA - DERBA  
PROGRAMA CORREDORES RODOVÁRIOS DO ESTADO DA BAHIA

**AVISO DE LICITAÇÃO**

O DEPARTAMENTO DE ESTRADAS DE RODAGEM DA BAHIA, através da Comissão Permanente de Licitação, devidamente autorizada pelo Diretor Geral, conforme Portaria Nº 585/91, faz saber aos interessados que faz parte do "CONCORRÊNCIA INTERNACIONAL" para contratação de empresas especializadas em construção, manutenção e restauração em 05 (cinco) lotes distintos de rodovias componentes do PROGRAMA CORREDORES RODOVÁRIOS DO ESTADO DA BAHIA: LOTE I - BA-323, trecho BR-324 - Mangueira com 21,00 km de extensão, BA-425, trecho Moro do Chapéu - L. do Bateia, com 73,50 km de extensão, Lote II - BA-405, trecho BA-052 - Presidente Dutra - Lote III - com 27,00 km de extensão, BA-424, trecho BA-052 - Taperaúm, com 14,50 km de extensão, BA-426, trecho Moro do Chapéu - Bonito, com 58,00 km de extensão, Lote IV - BA-381, trecho BR-407 - Flandia - Ilhéus, com 38,00 km de extensão, BA-220, trecho Estúdios de Curitiba - Monte Santo, com 38,00 km de extensão, BA-210, trecho Jandaíra - Campa, com 40,00 km de extensão, Lote V - BA-451, trecho Monte Alegre (BR-125) - Santa Rita de Cássia, com 60,10 km de extensão, Lote VI - BA-148, trecho Bonito - Piauí, com 55,00 km de extensão. O recebimento das propostas será de 12:00h de 16 de fevereiro de 1995, na sala de reuniões da Diretoria Geral do DERBA, no 2º andar de sua sede, situada no Centro Administrativo da Bahia - CAB, município Salvador - BA. Os serviços objeto deste Edital serão parcialmente financiados com recursos do Banco Interamericano de Desenvolvimento - BID para o PROGRAMA CORREDORES RODOVÁRIOS DO ESTADO DA BAHIA. Poderão participar desta licitação empresas limitadas ou estrangeiras que sejam originárias dos países membros do Banco Interamericano de Desenvolvimento - BID. Os interessados poderão obter o Edital, após a observação do recolhimento da quantia de R\$ 200,00 (duzentos reais) e solicitar esclarecimentos junto à Comissão de Licitação, na sede do DERBA, nos dias úteis e no horário das 15 às 19 horas, apresentando prova de sua habilitação legal para representar a empresa interessada.

**DEMAIS MEMBROS:**  
Gil Ruy Lemos Couto  
Gulmaris José Barreque  
Roberto Damasceno Pires

Paulo Porto Maciel  
Presidente da Comissão

DEPARTAMENTO DE ESTRADAS DE RODAGEM DA BAHIA - DERBA  
COMISSÃO PERMANENTE DE LICITAÇÃO  
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**Bankers/Trust Company, London Agent Bank**

**Marine Midland Bank N.A.**

**U.S. \$125,000,000**  
Floating Rate Subordinated Capital Notes due 1996

For the three months 23rd December, 1994 to 23rd March, 1995 the Notes will carry an interest rate of 6.4375% per annum with a coupon amount of U.S. \$160.94 per U.S. \$100,000 Note and U.S. \$804.69 per U.S. \$500,000 Note. The relevant interest payment date will be 23rd March, 1995.

**Bankers/Trust Company, London Agent Bank**

This announcement appears as a matter of record only.



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**\$300,000,000**  
Floating rate notes due 1995 Initial Tranche \$200,000,000

For the interest period 21 December 1994 to 21 March 1995 the notes will bear interest at 6.4375% per annum. Interest payable on 21 March 1995 per \$100,000 note will amount to \$1,597.33.

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Notice is hereby given that the Rate of Interest has been fixed at 7.6125% and that the interest payable on the relevant interest Payment Date June 23, 1995, in respect of U.S.\$100,000 nominal of the Notes will be U.S.\$384.25 and in respect of U.S.\$100,000 nominal of the Notes will be U.S.\$3,842.50.

December 23, 1994, London  
By: Citibank N.A. (Issuer Services), Agent Bank **CITIBANK**

**Fleet Financial Group**

U.S.\$100,000,000 Floating Rate Subordinated Capital Notes Due 1996

For the three months 23 December 1994 to 23 March 1995 the notes will carry an interest rate of 6.4375% per annum and coupon amount of U.S\$160.94 per \$100,000 Note.

Listed on the London Stock Exchange.  
Agent: Morgan Guaranty Trust Company

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For the six months December 21, 1994 to June 21, 1995, the Bonds will bear interest at 2.6875% per annum. The interest payable on the relevant interest payment date, June 21, 1995 will be U.S. \$30.86 per U.S. \$100,000 face amount of Bonds.

By: The Chase Manhattan Bank, L.L.C.  
London, April Bank  
December 23, 1994

**ALLIANCE & LEICESTER**  
Alliance & Leicester Building Society

**\$200,000,000**  
Floating Rate Notes due 1997

For the interest period 21st December, 1994 to 21st March, 1995 the Notes will carry a rate of interest of 6.6125% per annum with interest amount of £163.36 per £100,000 Note, payable on 21st March, 1995.

Listed on the London Stock Exchange  
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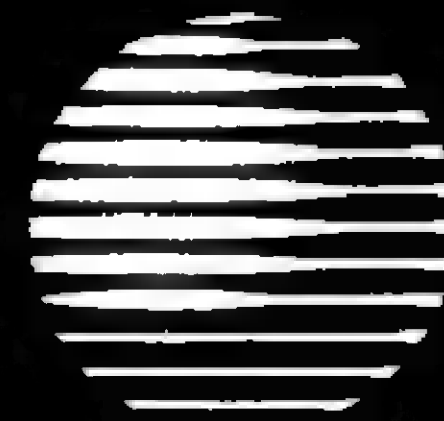
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## COMPANY NEWS: UK

Trust's relationship with fund manager questioned at EGM

## British Assets revamp approved

By James Burton and Norma Cohen

Shareholders in British Assets Trust yesterday approved a capital reorganisation following an occasionally acrimonious meeting which raised questions about the trust's relationship with Ivory & Sims, its fund manager.

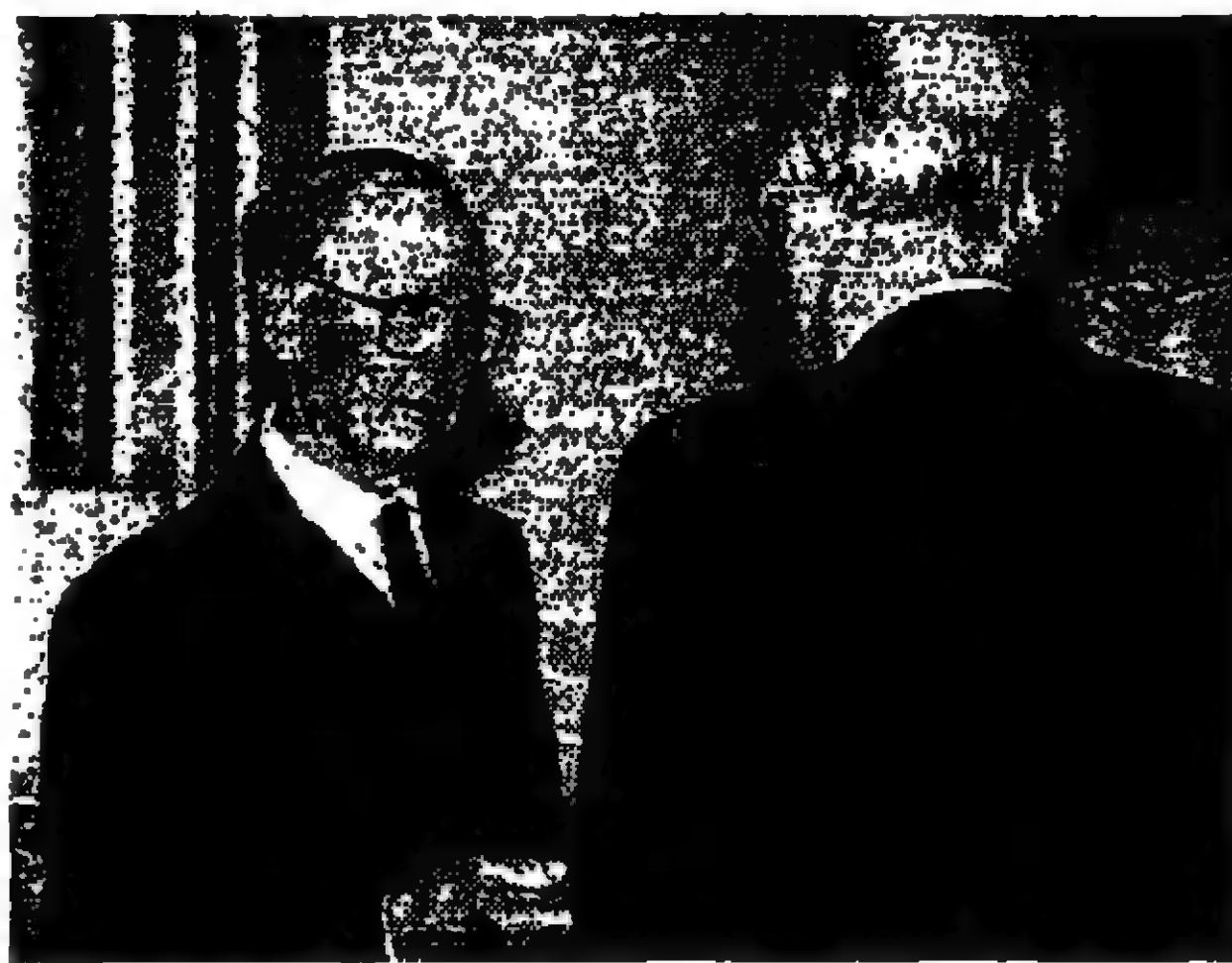
The debate about the restructuring has focused attention on broader questions about the corporate governance of investment trusts and the accountability of their directors to shareholders.

The trust's directors are not directly employed by Ivory & Sims, in accordance with corporate governance guidelines issued by the Association of Investment Trust Companies. However, most of the directors also serve on several other Ivory & Sims trusts from which they earn income.

British Assets' restructuring is required because poor performance by Ivory & Sims has meant it has not earned sufficient income from investments to cover its annual dividend increases, causing it to go into arrears.

To preserve dividend levels for the majority of its shareholders, the plan requires 16 per cent of shareholders to forego dividends for seven years. In exchange, they will receive 62.5m additional shares to be issued in seven years' time.

These will increase in value



Roger Inglis (left) 'delighted' with outcome of vote

David Henderson

if the net asset value of the trust rises over the next seven years.

The proposals required approval of 75 per cent of voting shareholders.

At an extraordinary meeting in Edinburgh, 76 per cent of the shares - roughly 160m were voted in favour of the proposal, with 22 per cent - about 45m - against.

Mr Roger Inglis, British Assets chairman who will retire next June, said afterwards that he was delighted with the outcome. "The size of the vote in favour speaks for itself," he said.

However, as it had earlier indicated, Sun Life, the trust's largest institutional share-

holder, voted its 11.06 per cent stake against the proposal and insisted that all proxy votes also be counted.

Sun Life had argued that the effect of issuing the new shares would be to dilute the net asset value for all shareholders, and that it was not clear that earnings would be sufficient seven years from now to continue to pay inflation-linked dividends as it has promised.

Also, some analysts had questioned the £2.7m cost of the restructuring, which includes a payment of £600,000 to the big institutional shareholders who have agreed to forego a portion of their dividends for seven years.

It had privately argued that

the trust's poor performance in recent years raised questions about whether Ivory & Sims ought to be reappointed as fund manager.

In a prepared statement, Sun Life said yesterday: "It is now up to the directors of British Assets, together with Ivory & Sims, to deliver improved performance."

Sun Life could sell its stake in the market or it could use its muscle as the leading shareholder to force the directors to drop Ivory & Sims if the trust's performance does not show suitable improvement.

Two small shareholders at the meeting attacked the mechanism used by the trust to secure the backing of institutions, and charged that the directors of the trust were not sufficiently independent of Ivory & Sims.

Mr Martin Harper, a retired merchant banker, called the scheme "unsatisfactory, unsmooth, costly and harmful". It provided only a "temporary, cosmetic palliative to the problem" of the trust.

He had earlier attacked British Assets' promised £1.3m Trustlink, a marketing company for investment trusts. "Trustlink may well be of benefit to the managers. But it is a basic principle of marketing that you do not push a product until it performs satisfactorily. This large investment cannot be appropriate to the company at this time."

## Canadian Pizza shares fall on warning

By Geoff Dyer

Shares in Canadian Pizza, which floated in November last year, fell 6p to 83p yesterday after the pizza and pasta crust maker issued its second profits warning of the year.

Forecast pre-tax profits for the year to December 31 have been reduced from £2.3m to £2.3m.

The shares are now worth only 42 per cent of their flotation price of 200p.

Mr Reg Bolton, finance director, said that revenues were lower than expected because of delays with four of the nine new UK retail customers it had won this year.

The company also faces a charge of £133,000 due to the early retirement of Mr Harry Kent, the 67-year-old deputy chairman and co-founder.

In April the company issued a profits warning after its biggest client, J Sainsbury, which accounted for 25 per cent of turnover, withdrew a large part of its business.

Mr Bolton said: "We have not been able to fill the gap left by the lost Sainsbury business in the timescale we had hoped."

The company also said that it had abandoned plans to build a new manufacturing base in continental Europe. All exports of pizza crusts will continue to be sourced from the Salford factory.

## Thorn EMI sells Defence Group to Thomson-CSF

By Paul Taylor

Thorn EMI, the music and rentals company, is to sell Defence Group, part of its electronics division, to Thomson-CSF of France for £15m cash.

The sale, which is subject to regulatory and other approvals, marks an important step towards Thorn's goal of ending losses in its electronics division.

The disposal is expected to be completed at the end of February and to result in a pre-tax exceptional gain of £5m. Thorn's shares closed up 6p at 232.5p.

Defence Group's turnover is about £20m - roughly 40 per cent of Thorn EMI Electronics - and its main activities are manufacturing fuses for mis-

siles and shells and electro-optics. It has about 970 employees.

Thomson-CSF is expected to continue to operate the missile and ordnance fusing business from the existing plant at Blyth Road, Hayes, Middlesex under the name of Thomson Thorn Missile Electronics.

The electro-optical business will become part of Pilkington Optronics, a joint venture between Thomson-CSF and Pilkington and will operate under the Pilkington Thorn Optronics banner.

Thorn's defence sensor activities, which are based at Crawley, West Sussex, and Wells, Somerset, and the microwave devices business at Hayes are not included in the agreement with Thomson.

Last month, Thorn EMI

announced that it was in talks with Bae Systems over the sale of the defence sensors business which employs 1,148 people and had turnover of about \$75m last year.

Thorn has also sold its electronic security business. The sale of both the defence and sensors businesses will mid losses in the electronics division which totalled £13.5m last year.

Once the sales are completed, Thorn will only be left with its transaction ticketing operation outside its declared core areas. Preliminary talks on the ticketing business are also taking place.

Sir Colin Southgate, chairman, has said that the company will concentrate on its music production, music retailing and rental operations.

## London Securities disposes of its largest asset for £5m

By Simon London, Property Correspondent

London Securities, the property company which is being wound down under a voluntary arrangement with its creditors, has sold its largest asset, Mill Bide Golf Club in Berkshire, for £5m.

The proceeds will be paid to Barclays, which financed the development and is owed £18m, including rolled-up interest.

The disposal came on the eve of today's extraordinary meeting at which shareholders will be asked to approve a deal which will pass control to Mr Michael Ashcroft, the Bournemouth-based businessman who runs the ADT car auctions and security group, and Mr Jacques Gaston Murray.

Under the terms of the deal London will buy a £17.6m property portfolio from Nu-Swift, the former fire extinguisher

company taken private by Mr Ashcroft and Mr Murray earlier this year.

Nu-Swift already owns 26 per cent of London. If the deal is approved, it will reduce its holding to 75 per cent through a placing in order to maintain the company's Stock Exchange listing.

The deal will effectively give Mr Ashcroft and Mr Murray control of a quoted property company.

## Brokers face a 'normal trading day'

By Peter John

A bad year in the London equity market, which has seen disappointing levels of business, is ending on a sour note as brokers are having to put in a full day's appearance on what is traditionally the quietest day of the year.

The Stock Exchange has decreed that dealing will, as

usual, continue until 4.30pm today even though the derivatives market, which provides much of the liquidity, will close shortly after noon.

The Stock Exchange said: "It is not Christmas Eve so it is just a normal trading day."

But market hands said the half-day closure had applied historically even when it was not Christmas Eve.

And because of the quote-driven nature of the London market, big integrated securities houses will have to maintain staffing levels of about 60 per cent to ensure that the quality of the price quotation is maintained.

Some blame US investment houses, which stay open to the in with the opening of Wall Street. One leading US house

commented: "Normally we have to provide coverage anyway, so we don't care whether the market is open or not."

The Stock Exchange shifted some of the blame on to the Old Lady of Threadneedle Street. "All the banks will be open today, so the board decided there was no justification to close early. We are following the Bank of England."

## BM counts pref acceptances

By Geoff Dyer

BM Group has received acceptances in respect of 94.3 per cent of the 9 per cent preference share capital of Blackwood Hodge, the company it acquired in 1990.

However, for the much smaller 5.78 per cent and 4.7 per cent classes of preference share, it received

acceptances for only 14.1 per cent and 11 per cent respectively.

Three of the Blackwood Hodge preference shareholders have filed a petition at the High Court alleging that their interests have not been properly represented.

Mr Alan Hicks, BM's finance director, said: "We are delighted at this very satisfac-

tory response from the large majority of preference shareholders." BM now intends to put Blackwood Hodge into liquidation.

Mr Stephen Cockburn, one of the petitioners, said: "This is a wholehearted endorsement of preference shareholders for the stance we have taken."

## Northern Electric hits out at bid

Northern Electric is strongly urging shareholders to ignore this week's £1.35bn takeover bid by Trafalgar House, writes David Lascelles.

In a letter to shareholders, the board of the Newcastle-based company says the bid is "wholly inadequate and unacceptable". It fundamentally undermines Northern Electric, and offers no advantages to shareholders.

The letter continues: "Northern Electric has demonstrated its ability to deliver value to shareholders and customers, and has a clear strategy to continue to do so as an independent company."

Some analysts believed the letter was meant to imply that Northern would entertain a higher bid, though many regulatory obstacles would have to be removed before a true contest could develop.

See Lex

## Johnston Press withdrawal

Johnston Press, the newspaper publisher and printer, is withdrawing from commercial printing with the sale of Wood Westworth and Yorkshire Communications.

The sums were not reported, but Johnston said that earlier provision for losses on disposal would be adequate. The activities incurred trading losses of £196,000 in the first half of 1994.

## WMGO issues warning

By James Whittington

Shares in WMGO Group fell 34p to 14p yesterday after the business communications company issued a profits warning following the unexpected cancellation of three big projects.

Pre-tax profits for the year to February 28 were revised down from £2.2m to £1.35m by Benson Gregory, company broker.

WMGO was transformed from the MMI sponsorship and financial marketing group earlier this year and reported pre-tax profits of £254,000 for the half year to August 31.

Two contracts were lost by Park Avenue, the exhibitions promotions business, and the third was cancelled over a fee dispute between its advertising agency and Sun Life.

## Debt talks need patience and trust

Peggy Hollinger considers the mechanics of complex reconstructions

Shareholders in Queens Most Houses may not believe it, but they are relatively lucky to get proposals to resolve their company's financial crisis so quickly.

Compare the 20 months it took Barclays to guide all but one of Queens Most's 74 lenders towards agreement, with the three years which shareholders in Heron Group have had to wait.

The long delays are symptomatic of the increasingly complex nature of debt reconstructions over the last decade.

"The corporate crises of the early 1970s were easier to deal with because there were fewer companies with multi-bank facilities," said Mr Eddie Theobald, who led the Queens Most reconstruction talks for Barclays Bank.

Multi-bank facilities are a legacy of London's rapid expansion as a financial centre in the 1960s. With more foreign banks anxious to establish a presence in London, companies had no difficulty in raising loans from a variety of sources.

This makes untangling the financial web when companies fall into difficulty a Herculean task. "If you are dealing with a multi-bank company and the area of lending covers a number of jurisdictions, you know you have a problem in putting a reconstruction together," said Mr Theobald.

Debt reconstructions are generally sparked by a cash

crisis which puts the company in danger of insolvency.

The first step in a reconstruction involving a number of lenders is to appoint a lead bank. In general, the bank with the largest exposure, if it is a UK clearing bank, will be

asked to adopt the lead position. In Queens Most's case, this role was given to Barclays.

"The first thing the lead bank must do is maintain stability," said Mr Theobald. "It has to keep things even so we do not witness an unbridled scramble, with the banks cutting their lines and running for cover."

The lead bank will then call for an all-bank meeting, preferably within seven days, at which the lenders will be briefed on the financial situation and offered proposals for solving the difficulties.

This is where the reconstruction is likely to hit its first wall. If the lead bank cannot

offer proposals in time for the all-bank meeting, it will have to ask the lenders to agree to a debt standstill.

Some lenders will be reluctant to do so until they have all the financial information. Generally, however, even if some refuse to sign, the principles of a standstill are adhered to until the information is available.

Nevertheless, this increases uncertainty in a situation where all the lenders must trust each other not to pull the plug.

The first all-bank meeting is also important as it appoints a steering committee to represent all the different types of lenders, both large and small.

In Queens Most's case these included lessors, debenture stockholders and straightforward term lenders.

The meeting will also begin to establish the blueprint for the ranking of creditors, their strengths and weaknesses in relation to each other.

The so-called dividend model is maintained throughout the debt negotiations and will determine the returns to various lenders when a reconstruction package is devised. One of the most difficult tasks facing the steering committee will be to get each bank to agree its relative position.

This is where the Queens Most reconstruction could yet fall down.

One creditor is unhappy with its position in the dividend

model and is vigorously resisting the package unveiled last week. This is understood to be Trust Company of the West, the California-based debt trader. TCW bought its share of the Queens Most debt in the secondary market.

The emergence of the debt trading industry, largely out of the US, is the greatest threat to what bankers in the UK call the "London Approach". The heart of the London Approach is described by Mr Theobald as "exercising forbearance".

When a company faces insolvency the lenders decide to support it until enough information is gathered to determine whether it is viable.

Debt traders, however, have different agendas. Their interest is in making a quick turn on the investment, and the potential loss will be much less than that facing the original lenders.

"There is only one or two cases where debt traders bought debt from an unhappy bank and increased the stability," says Mr Theobald. "Our experience is that it leads to additional complexity."

If the debt traders are particularly unco-operative, the company could fail. So far, Queens Most's bankers and advisers are confident the outstanding lender will eventually come on board.

However, the temptation for TCW to look out for its own interests could yet bring the company down.

## Additional Interest Statement

The Walt Disney Company

U.S. \$400,000,000

Senior Participating Notes Due 1999

Quarterly Statement for the period from July 1, 19... to September 30, 19... (the "Period")

Semiannual Statement for the period from February 1, 19... to August 31, 19... (the "Period")

Annual Statement for the period from September 1, 1993 to August 31, 1994 (the "Period")

Pursuant to the terms of the above-referenced Notes, this Additional Interest Statement ("Statement") is being furnished to Holders of each Note of The Walt Disney Company ("Company"). Capitalized terms used in this Statement have the meanings assigned to them in the Notes and the Fiscal Agency Agreement, dated as of October 1, 1992, between the Company and Citicorp, N.A., as Fiscal Agent, Principal Paying Agent, Transfer Agent and Registrar. The information contained in this Statement is given for both the Period covered by this Statement (indicated by the box checked above) and for the period from October 20, 1992, the date of issuance of the Notes (the "Time Date"), through the end of the Period covered by this Statement.

This Statement is accompanied by a descriptive report discussing the activity and status of the Company's business. Copies of such descriptive report can be obtained by Holders of the Notes upon request to the Fiscal Agent at the following address and telephone number: Citicorp, N.A., 120 Wall Street, New York, New York 10043, Attention: Corporate Trust Department; telephone: (212) 412-6215. If this Statement is an Annual Statement, it is also accompanied by a Supplemental Audit Report of the Company's independent public accountants. In this Statement, references to "U.S." are to United States dollars.

1. Names of Eligible Films Included in the Portfolio:

a. For the Period:

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## Additional Interest Statement

The Walt Disney Company

U.S. \$475,000,000

Senior Participating Notes Due 2001

Quarterly Statement for the period from July 1, 19... to September 30, 19... (the "Period")

Semiannual Statement for the period from February 1, 19... to August 31, 19... (the "Period")

Annual Statement for the period from September 1, 1993 to August 31, 1994 (the "Period")

Pursuant to the terms of the above-referenced Notes, this Additional Interest Statement ("Statement") is being furnished to Holders of each Note of The Walt Disney Company ("Company"). Capitalized terms used in this Statement have the meanings assigned to them in the Notes and the Fiscal Agency Agreement, dated as of October 1, 1992, between the Company and Citicorp, N.A., as Fiscal Agent, Principal Paying Agent, Transfer Agent and Registrar. The information contained in this Statement is given for both the Period covered by this Statement (indicated by the box checked above) and for the period from October 20, 1992, the date of issuance of the Notes (the "Time Date"), through the end of the Period covered by this Statement.

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## Travelling by Clubb class

Christopher Price on the future for CTR without Robert Montague

Mr Ian Clubb, the new chief executive of Central Transport Group, yesterday plotting the company's strategy without the man he once described as crucial to the future of the business.

Mr Clubb took over the position at the indebted trailer rental company, formerly known as Tipbook, on Wednesday prior to Mr Robert Montague, the former incumbent, being declared bankrupt at Oxford county court yesterday.

Mr Clubb will also continue as non-executive chairman and with his other directorships at TLA Group and First Choice.

Mr Montague, who founded Tipbook 18 years ago, building it into one of the largest container groups in Europe, has personal debts said to be in excess of £50m.

"There is no doubt that the loss of Robert Montague is a blow," said Mr Clubb yesterday. "He added value. He is someone who understands the trailer rental business. But life goes on."

"We have been aware of the possibility of Robert's bankruptcy for some time and have been putting into place contingency plans."

These have included a rationalisation programme at the group's headquarters involving hefty staff cuts and relocating out of palatial Whitehall offices into more sombre surroundings in High Wycombe, Buckinghamshire.

It has also meant devolving more responsibilities to the regional managers. "We have an excellent team out there, and I am convinced that we can take the business forward from here," Mr Clubb said.

CTR recently reported sharply reduced losses of £7.2m for the half-year, although debts stood at £502m against

shareholders funds of just £28.3m.

Industry opinion is divided over the group's long-term future. "Robert Montague's departure is the best thing that could have happened for CTR," said Mr Michael Williams, chief executive of Dawson-Trailer, which specialises in trailer rental. "He has done a lot of damage to the company and had an adverse effect on the industry. He was too busy fighting fires to get on with the day-to-day things."

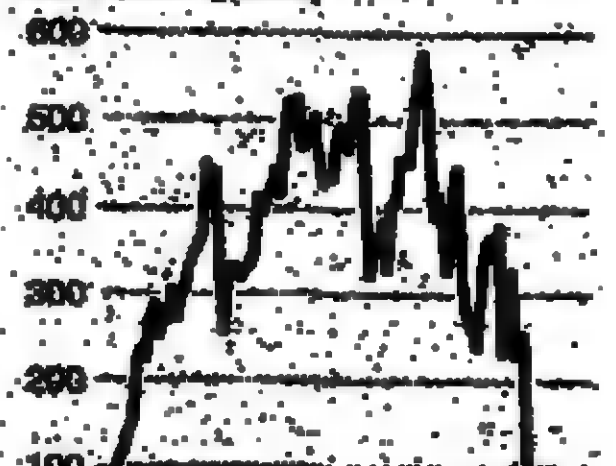
Mr Jim Cleary, a former director of TIP, Tipbook's main rival in the European container market, said: "What Robert Montague achieved was tremendous. This is a people business and he was very good at it. CTR will need a new chief executive who can build relationships with its major customers and motivate the sales force."

As important, he stressed, was the need for capital expenditure, a view echoed by industry analysts.

"CTR needs either a massive restructuring, or a big backer," said one. "Otherwise it will not be able to update its fleet and compete."

Another suggested that

Tipbook/CTR



CTR's best hope lay with a friendly takeover as happened with GE's capture of TIP.

"There may be a future for CTR, but it will need considerable investment, and shareholders will not be the source of it," he said, a reference to the group's long-suffering investors who have seen the shares drop from nearly 600p three years ago to just 35p yesterday.

Mr Clubb agreed that a restructuring was inevitable, possibly some time next year, with a debt-for-equity swap considered the most likely solution.

Mr Montague's future is less assured. Although bankruptcy disqualifies him as a director, CTR had planned to employ him as a consultant. "I very much wanted to keep him in some capacity but the legislation in this area made it too difficult," said Mr Clubb.

A friend yesterday described Mr Montague as "deeply distressed" at being made bankrupt. His creditors' claims were last night discussing the appointment of a receiver to



Ian Clubb: putting contingency plans into place for some time

his estate, which includes an 85m mansion in Oxfordshire and a 27m yacht.

He is thought to have run up the bulk of his debts - possibly as much as £20m - by borrowing money against his shareholdings in Tipbook in order to take up his rights in the three issues the group made in the second half of the 1980s.

His lifestyle reflected his borrowings and included sports cars, a private jet, a country estate and cattle breeding, which earned him a reputation as an icon of the entrepreneurial 1980s.

Mr Montague's popularity with investors soured in the 1990s as Tipbook's fortunes began to wane and he attracted considerable criticism for the hefty salary increases - he earned £1.8m last year - and options benefits.

"Robert Montague's legacy is to leave behind a business that is the market leader in Europe," Mr Clubb said yesterday. Both Mr Montague and CTR investors may feel they have paid a high price for that position.

## Hall warns of £4.2m provisions for Stadco

By James Whittington

Hall Engineering (Holdings), the automotive engineering, steel products and stockholding group, announced a larger than expected restructuring of Stadco Automation, its automotive pressings and production systems business, which will require provisions of £4.2m.

Hall's shares fell 13p to 150p and analysts said they expected pre-tax profits for the year to be reduced from an estimated £5m to about £200,000. However, the company said it hoped to maintain the final dividend at 3.02p, which will be paid from reserves.

The move comes less than two months since Mr John Swindon took over as managing director.

Mr Alastair Smith, finance director, said Stadco had suffered from a lack of new orders because of strong competition and a slowdown of car sales in Europe. He said the restructuring would involve 135 redundancies, or half the division's workforce, along with a write-down of certain assets, mainly plant and equipment.

The estimated cash cost of the restructuring is £3.1m, including the cost of redundancies, pension top-ups and provisions on current contracts with Audi which have suffered delays.

The group issued a profit warning in May in anticipation of restructuring costs of about £500,000 at Stadco and because of competitive pressure across all its divisions. Interim pre-tax profits were later reported down from £2.75m to £2.01m.

## Seaford sells £1.8m gas field interest

Seaford, the USM-quoted exploration company, is selling its 10 per cent interest in North Sea Block 43/34, including the Schooner gas field, to Eastern Natural Gas (Offshore), subsidiary of Eastern Group, for £1.82m cash.

The company has also been granted a 25 per cent interest in Permit WA 259P in the Camarvon Basin, offshore Western Australia.

## Independent News takes 25% stake in Irish Press

By John McManus in Dublin

Independent Newspapers, the Irish publishing and media company, has taken a 24.9 per cent stake in the Irish Press, Ireland's second largest newspaper group, in what is seen as a defensive move.

Mr Conrad Black's Telegraph Group is also understood to have been interested in taking a stake in the ailing company, which is losing £300,000 (£295,000) a month.

Independent, headed by Mr Tony O'Reilly, is anxious to prevent a takeover of the Irish Press by non-Irish interests

which could introduce low-cost production and threaten sales of Independent's titles, which dominate the Irish daily, weekly and provincial markets.

Although the Irish Press said it was looking for additional investors, Independent is expected to have a say on who they will be.

Mr Richard Bruton, Irish minister for enterprise and employment, has requested details of the investment in order to decide if it has to be approved under Irish monopolies legislation. The stake is just under the 25 per cent level above which it would automati-

cally need government approval.

Independent has paid £1.13m for 24.9 per cent of the two operating companies in the group, Irish Press Newspapers and Irish Press Publications. Also, it has provided a secured loan of £2m for working capital which has assured the immediate survival of the papers.

The investment was not made in the holding company, Irish Press, as it is currently involved in legal proceedings with a previous investor in the Irish Press, Ingersoll Irish Publications, owned by Mr Ralph Ingersoll, a US businessman.

## Royal Bank's life arm shows 60% income rise

By Alison Smith

Sales of guaranteed equity plans and bonds helped Royal Scottish Assurance, the life insurance subsidiary of Royal Bank of Scotland, to increase its new premium income by more than 60 per cent in the year to September 30.

Mr Ian Kerr, head of marketing, said that the increase was also because of significant growth in the sales force from slightly more than 200 to almost 300 over the year.

Royal Scottish's new annual premiums were broadly flat at £17.6m (£17.1m), but new single premiums rose by 70 per cent to £249.5m (£146.4m). Funds under management grew by 66 per cent from £272.3m to £454m.

Mr Kerr said the company planned a further, smaller increase in the sales force next year, but other factors might have a depressing effect on the market in general.

The introduction of the new

regime requiring sales agents to volunteer more information about the policies they sell and the cost of selling them is thought by many in the industry to have a negative effect on sales volumes.

Mr Kerr also said that if interest rates rose next year, as expected, some traditional bank and building society customers would be discouraged from switching to investment products because they were dissatisfied with low savings rates.

### NEWS DIGEST

## Merivale in £34m joint investment

Merivale Moore, the commercial property investment company, and Warner Estate Holdings have jointly purchased the Eastern and Western Property Portfolios from AMP Asset Management for £34m.

The portfolios comprise 49 freehold and two leasehold commercial investment properties with a combined net income of more than £3.7m.

The companies, which will have equal shares in the venture, intend to liquidate the portfolio over the next two years.

## Scottish Equitable

Aegon, the Netherlands' second-largest insurance group, has agreed to inject a further £10m into its Scottish Equitable unit in line with its initial investment agreement.

The money will be used to develop the company and pensions and investment business. Edinburgh-based Scottish Equitable, which was taken over by Aegon in 1993, said new business in 1994 was up 20 per cent, indicating "substantial gains in market share".

## M&G Second Dual

The split capital M&G Second Dual Trust had a net asset value per capital share of 601.32p at November 30, against 627.25p a year earlier.

Net revenue for the six month period improved to £1.35m (£1.33m) for earnings per income share of 14.27p (13.25p). An interim dividend of 14.3p (13.22p) is declared.

## Flying Flowers

Flying Flowers, the Jersey-based flowers-by-post concern, has forecast an increase in 1994 profits from £1.1m to more than £1.75m - an increase of at least 50 per cent.

The company, which saw its shares edge ahead 1p to 81p yesterday, said that Christmas trading had now been completed and was "well in excess of 1993". This had contributed to an "excellent year" for the business.

The full year results will be announced in mid-February.

## Greenwich wins tender for Czech gold

Greenwich Resources, the metals and minerals exploration group, yesterday announced it had won the tender for the award of the Rozsuzal Exploration Area in the Czech Republic, writes Peter Franklin.

The area includes the Hora gold deposit, which is reported to have a near-surface resource of more than 800,000 ounces.

Greenwich also announced it was to raise £2.5m net of expenses through a placing and open offer. Of the new funds, £1.5m will be raised by way of a placing of 13.5m shares and £2.1m through an open

offer of 14.7m shares, both at 16p. The shares dipped 1/2p to 15p yesterday.

The open offer, which is not being underwritten, is on a 1-for-6 basis. Qualifying shareholders may make additional applications in respect of the open offer.

Mr Colin Phipps, chairman, said a large part of the proceeds would be applied to maintaining the group's 49 per cent interest in the Sappes gold exploration joint venture in Greece.

The nearby Pelika Commission, in which

Greenwich has a 100 per cent interest, will also be evaluated, along with the Hora gold deposit.

Greenwich also announced it had ended the year to September 30 with a pre-tax loss of £185,000, against a profit of £105,000.

Operating income fell to £109,000 (207,000) and administrative expenses, after capitalisation of overheads of £149,000 (£145,000) rose slightly to £233,000 (£285,000).

Losses per share were 0.2p (0.1p earnings).

## GREEK EXPORTS S.A.

(Founded & owned by EFTA S.A.)

### ANNOUNCEMENT

OF A THIRD PUBLIC AUCTION FOR THE HIGHEST BIDDER FOR PURCHASING THE ASSETS OF HELLENIC MARBLES S.A. NOW UNDER SPECIAL LIQUIDATION

GREEK EXPORTS S.A., established in Athens at 17 Pnyssias Street, in its capacity as special liquidator of HELLENIC MARBLES S.A. (in accordance with Decision No. 7518/1992 of the Athens Court of Appeal, by which HELLENIC MARBLES S.A. has been placed under special liquidation) and in accordance with article 416 of Law 1502/90, as supplemented by article 14 of Law 2009/91 and complemented by article 53 of Law 2224/94 following the written statement (Ref. No. 7752/11.54) of the creditor under para.1 of the above article,

### ANNOUNCES

a third public auction for the highest bidder with sealed, binding offers for the purchase of either the whole or part of integrated functional units or non-functional elements of the assets of HELLENIC MARBLES S.A. established in Agios Stefanos, Attica and capitalised under special liquidation and its by-products. This activity has been discontinued following the completion of the quarrying licenses.

The company's assets for sale consist of the following integrated functional units and non-functional elements for which separate offers can be made:

- 1) A property of 47,597 m<sup>2</sup> in area in the area of the community of Agios Stefanos which, on the basis of the Agios Stefanos community land register and following its inclusion in the town plan, bears a balance of 36,325 m<sup>2</sup> with the buildings thereon and the usual technological installations, furniture and equipment as well as the claims from circulating assets (see offering memorandum, table I).
- 2) Mechanical equipment for cutting and processing marble.
- 3) Mechanical equipment for crushing and grinding in the Kato Rapantoni area of western Attica (Table III).
- 4) Mechanical equipment for quarrying marble in the Ano Rapantoni quarry (Table IV).
- 5) Transport means (Table V).
- 6) A parcel of agricultural land 3,000 m<sup>2</sup> in area in the Argolis area in Volos (Table VI).
- 7) Parcels of agricultural land on the island of Tinos, 14,007 m<sup>2</sup> in area (Table VII).

It is to be noted that the title "Hellenic Marbles S.A." is not transferable and use are the right to receive and exploit the marble and quarrying licenses applied for by the company.

### TERMS OF THE AUCTION

1. Interested parties are invited to receive from the Liquidator the Offering Memorandum in which the assets for sale are described in greater detail, as well as the procedures required for the sale, as well as the draft letter of guarantee, in order that the prospective buyer may submit a sealed, binding offer to the Athens notary public assigned to the auction, Mrs. Andriana Dimitra Zaphiropoulos-Economopoulos, 18 Voulkouriotou Street, at +30-1-361.8249 up to 1400 hours on Thursday, 18th January 1995.
2. Offers must be submitted in person or by a legally authorised representative. Offers submitted beyond the specified time limit will not be accepted or considered.
3. The offers will be opened before the above-mentioned auction on Wednesday, 18th January 1995 at 1100 hours with the liquidator in attendance. Persons having submitted offers within the time limit are also entitled to attend.
4. The sealed, binding offers must state clearly if they refer to the total assets or to separate functional units of the company under liquidation as well as the offered price and amount of payment. They must also be accompanied by a letter of guarantee from a bank or equally creditworthy person and valid up to the signature of the final contract. The amount of the letter of guarantee is set at Dr. 100,000,000 if the offer refers to the total assets of the company, if it refers to separate functional units, then the amounts of the letters of guarantee are as follows:
  - 1) For the property in the Agios Stefanos area: Dr. 64,000,000.
  - 2) For the mechanical equipment for cutting and processing: Dr. 25,000,000.
  - 3) For the mechanical equipment for crushing and grinding: Dr. 3,000,000.
  - 4) For the mechanical equipment for quarrying marble: Dr. 10,000,000.
  - 5) For the transport means: Dr. 2,000,000.
  - 6) For the plot of land in Argolis: Dr. 500,000.
  - 7) For the plot of land on the island of Tinos: Dr. 500,000.
5. The company's assets and all the separate third and circulating assets that exist thereon, such as immovables, movables, claims, rights, etc. whether they are to be sold as a whole or as separate entities, shall be transferred "as is and where it is" and, more specifically, in their actual and legal condition and wherever they are on the date of signature of the final contract, regardless of whether the company is operating or not, and with due legal procedures.
6. The Liquidator, the company under liquidation and its creditors who represent 51% of its total obligations, immediately referred to as "the Majority Creditors", are not liable of any legal or actual fault or any defects in the particulars of the objects for sale and rights, nor for the possible refusal of the state to approve, when required, the transfer of elements of the assets, either as a whole or as functional units parts, nor for their incomplete or inaccurate description in the offering memorandum or in any correspondence. In the event of any dispute, the entries in the company's books shall prevail, as they are on the date of signature of the final contract.
7. In the event that the party to whom the assets for sale have been adjudicated fails in his obligation to appear and sign the relative contract within twenty (20) days of being invited to do so by the Liquidator, and abide by the obligations contained in the present announcement, then the amount of the guarantee stand alone is forfeited to the Liquidator to cover expenses of all kinds, those spent and any real or paper loss suffered by himself and by the creditors with no obligation on his part to provide evidence of such loss or consider that the amount has been forfeited as a penalty clause, and collect it from the guarantor bank. Letters of guarantee accompanying the offers of other bidders, except the highest bidder, will be returned to them immediately after the signature of the final contract.
8. The highest bidder is the one whose offer has been evaluated by the Liquidator and judged by the Majority Creditors as being the most satisfactory.
9. The Liquidator bears no responsibility or obligation towards participants in the auction, both with regard to the drafting of the auction report on the bids or to his proposal of the highest bidder. Also he is not responsible and has no obligation to participate in the auction in the event of a cancellation or withdrawal of the auction in the event that the result is deemed unsatisfactory.
10. Participants in the auction who have submitted bids do not acquire any right and can make no demand or claim on the strength of the announcement or of their participation, against the Liquidator or the creditors for any cause or reason.
11. The transfer expenses of the assets for sale (stamp, VAT charges on the value of the movables, stamp duty, notary fees and mortgage fees, and other expenses for drawing up unopposed judgments as per Law 651/1977, etc.) will be borne by the buyer. It is to be noted that with regard to the transfer of non-financial elements the exemption contained in para. 13 of art. 14 of Law 2009/91 is combined with para. 11a of art. 41a of Law 1992/90 as complemented by art. 53 of Law 2224/94 do not apply.
12. Participation in the auction implies acceptance of the terms of the present announcement.

For any further information please apply to the Liquidator's head office: GREEK EXPORTS S.A., 17 Pnyssias Street (1st floor), Athens, Greece, Tel: +30-1-324.3111-115 Fax: +30-1-323.9185

**ANGLO AMERICAN CORPORATION OF SOUTH AFRICA LIMITED**  
(Incorporated in the Republic of South Africa)  
Registration No. 010259006

**NOTICE TO HOLDERS OF ORDINARY SHARE WARRANTS TO BEARER - PAYMENT OF COUPON NO. 124**

1. Coupon No. 124
2. Date of payment: On or after 13 January 1995
3. Amount: 110 cents per share (South African currency)
4. South African Non-Resident Shareholders Tax (SANRST): 13.0024% or 15.28264 cents per share
5. UK Income tax (where applicable): 6.0776% or 6.70736 cents per share
6. UK currency equivalent (on 19 December 1994):
 

Gross:	19.2875p per share
SANRST:	2.75667p per share
UK Tax:	1.20900p per share
Net:	15.32183p per share

7. Payable at:

Bank of South Africa 1 Lombard Street CH-4002 Basel	United Bank of Switzerland Bahnhofstrasse 45 CH-8001 Zurich	Cable de Hong Kong 65 Robinson Road 7500 Hong Kong
Bank of Montreal 100 King Street West M5X 1C5 Toronto	Bank of China 100 Queen's Road M5X 1C5 Toronto	Bank of China 100 Queen's Road M5X 1C5 Toronto

Notes:

1. Coupon paid by way of the conventional paying agent under warrant to be payable to the Anglo American Corporation of South Africa Limited in the Republic of South Africa.
2. Coupon paid by way of the conventional paying agent under warrant to be payable to the Anglo American Corporation of South Africa Limited in the Republic of South Africa.
3. Coupon paid by way of the conventional paying agent under warrant to be payable to the Anglo American Corporation of South Africa Limited in the Republic of South Africa.

For and on behalf of  
**ANGLO AMERICAN CORPORATION OF SOUTH AFRICA LIMITED**  
C.A. Williams  
London Secretary

London Office:  
19 Chancery Street  
London EC4N 3QP

22 December 1994

<p><b>U.S. \$750,000,000</b></p> <p><b>Midland Bank plc</b> (Incorporated in the United Kingdom)</p> <p>Undated Floating Rate Primary Capital Notes</p> <p>Notice is hereby given that for the six month interest period from December 23, 1994 to June 23, 1995 (182 days) the Notes have been determined at 7.0625% per annum. The interest payable on the relevant interest payment dates, June 23, 1995 will be U.S. \$52,500,000 or U.S. \$10,000,000 nominal amount.</p> <p>By: The Chase Manhattan Bank, N.A. London, Agent Bank December 23, 1994</p>	<p><b>U.S. \$125,000,000</b></p> <p><b>American Express Travel Related Services Company, Inc.</b> (Incorporated in New York)</p> <p>Floating Rate Notes Due 1998 (the "Notes")</p> <p>Notice is hereby given that for the two month interest period from December 23, 1994 to March 23, 1995 the Notes will carry an interest rate of 8.875% per annum. The interest payable on the relevant payment dates, March 23, 1995 will be U.S. \$1,571,875 or U.S. \$10,000,000 nominal amount.</p> <p>By: The Chase Manhattan Bank, N.A. London, Principal Paying Agent and Agent Bank December 23, 1994</p>
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L-1021 Luxembourg  
RC Luxembourg B 34036

**NOTICE OF EXTRAORDINARY GENERAL MEETING**

Notice is hereby given that an Extraordinary General Meeting of Shareholders of Fidelity Funds ("the Corporation") will be held at the registered office of the Fund in Luxembourg on Friday 6th January 1995 at noon to consider the following proposed amendments to the Articles of Incorporation.

**AGENDA**

1. Deletion in paragraph 2 of article 22 of the Articles of Incorporation of the terms "in Luxembourg" in the two places where they appear.
2. Amendment of paragraph 9 "Valuation Regulations", sub-paragraph B(ii) of article 22 of the Articles of Incorporation so that it reads as follows:  
 "(i) securities which are traded on stock exchanges are to be valued at the last available closing price on the Valuation Date (or if there has been no sale, at the closing bid price) quoted on the stock exchange which is normally the principal market for such security, or, if the Board so decides, at the last available price at the time when the valuation is carried out, or, in unusual circumstances of trading activity such that the Corporation considers that such price does not reflect fair market value, at fair market value in the opinion of the Corporation".
3. Deletion in article 22 of the Articles of Incorporation, paragraph 9, sub-paragraph B(v) of the term "closing".

Subject to the limitations imposed by the Articles of Incorporation of the Fund with regard to ownership of shares by US persons or of shares which constitute in the aggregate more than three percent (3%) of the outstanding shares, each share is entitled to one vote. A shareholder may attend and vote at the meeting or may appoint a proxy to attend and vote. Such proxy need not be a shareholder of the Fund.

Shareholders are advised that a quorum of fifty percent of the shares outstanding of the Corporation present or represented is required in order to constitute a valid meeting and the resolutions must be carried by a majority of two-thirds of the shares at the meeting.

Holders of Registered Shares may vote by proxy by returning to the registered office of the Fund the form of registered shareholder proxy sent to them.

Holders of Bearer Shares who wish to attend the Extraordinary General Meeting or vote at the Meeting by proxy should contact the Fund, or one of the following institutions:

**in Luxembourg**  
Fidelity Investments Luxembourg S.A.  
Kansallis House, B.P. 2174  
L-1021 LUXEMBOURG

**in the United Kingdom**  
Fidelity Investments International  
Oakhill House  
130 Tonbridge Road  
Hildenborough  
KENT TN 11 9DZ  
United Kingdom

**in Germany**  
Bankhaus B. Metzler seel.  
Sohn & Co. KGaA  
Große Gallusstrasse 12  
D-60311 Frankfurt am Main

**in France**  
Banque Indosuez  
96, Boulevard Haussmann  
F-75371 PARIS Cedex 08

**in Hong Kong**  
Fidelity Investments Management (Hong Kong) Limited  
16th Floor, Citibank Tower  
3 Garden Road, central Hong Kong

**in Ireland**  
Bradwell Limited  
41-43 St. Stephen's Green  
DUBLIN 2  
IRELAND

**in Switzerland**  
Union Bancaire Privée Genève  
96-98, rue du Rhône  
CH-1211 GENEVE 1

**in The Netherlands**  
Fidelity Investments International  
Alexander Boerstraat 10  
NL-1071 KX Amsterdam

**in Austria**  
Creditanstalt-Bankverein  
Schottengasse 6  
A-1010 Wien

To be valid, proxies must reach the registered office of the Fund on the 3rd January 1995 at 17.00 pm (Luxembourg time) at the latest.

Dated: November 23, 1994  
By Order of the Board of Directors

**Fidelity Investments**



## COMMODITIES AND AGRICULTURE

## UK Christmas tree buyers go up-market

Customers want bushier varieties that do not drop their needles, writes Alison Maitland

Hormone therapy for Christmas trees might sound a bit far-fetched. But the novel technique is being tested for the first time in the UK as part of a drive by growers to respond to the demands of an increasingly discerning public.

For decades British customers have been content to buy a traditional Norway spruce at Christmas and sweep up the needles as they drop off in centrally heated living rooms. But now the market - which takes over 5m trees worth at least £50m a year - is demanding varieties with no "needle drop" and developing a taste for bushier or more scented types, with less spiky needles.

Hormone therapy, already used in Denmark, involves spraying the central leader, or main spike, of the Christmas tree to inhibit its growth and allow the side branches to

become more bushy.

Mr Joseph Noblett, a dealer based near Preston in Lancashire, plans to try it out on top-topped Noble firs on several plots in Scotland next year. He sells about 30,000 trees a year, most of which are Lodgepole pines from Scotland - similar to Scots pines but with darker, straighter needles. Bushy growth on these trees can be encouraged through seed selection without the need for expensive hormone treatment.

"We believe there's been a significant growth in the market for Lodgepole pines in the last couple of years, particularly in the north of England and the Midlands," he says.

Enthusiasm for the Lodgepole is a bonus for woodland owners, who have used the trees for the past two decades as a "nurse species" to force the growth of Sitka spruce, the main timber tree. Lodgepole

are good at taking up nutrients from deep, peaty soil, which they then transfer to the Sitka as their roots inter-link.

Normally they wither and die after 25 to 30 years as the Sitka shade them out, says Mr Bruce Taylor, forestry manager with Bell Ingram, a firm of chartered surveyors, which manages 25,000 acres of commercial woodland on estates in northern Scotland. However, the more recently introduced Alaskan variety of Lodgepole is proving suitable for the Christmas tree market and can be harvested after seven to 10 years, once its "nursing" role is over.

"The Lodgepole's main asset is that it holds its needles," Mr Taylor explains. "It can be cut in October and still have its needles in mid-January. The Norway spruce has to be cut in

December, otherwise the needles will fall off."

The cost of Lodgepole or Scots pines is the same as or slightly more than that of Norway spruces. Yet despite the recession, the biggest growth in the market has been in the more elegant and expensive Nordmann and Noble fir, according to the British Christmas Tree Growers' Association. These have softer needles, stronger branches and a more pronounced scent and they command a retail price of about £5 a foot, compared with £2 a foot for a Norway spruce.

"People are not to have real trees, and there's quite a lot of money about," says Mr Tony Richardson, the association's secretary. The market share of the Nordmann fir has grown from 5 per cent to 15 per cent in the past five years, while that of the Norway spruce has dropped from 75 per cent to

50-55 per cent. As growers have learnt to shape Lodgepole and Scots pines for the Christmas market, their share has risen to about 10 per cent.

Less than a fifth of the trees on sale in Britain this year are imported - mainly from Denmark and Belgium. This is partly because expert Danes have begun to grow Christmas trees in the UK and partly because British producers are improving their methods.

Woodland managers like Bell Ingram are using landowners to take advantage of the Christmas market and increase production. Otherwise, they believe, UK supplies of pines like the Lodgepole could become scarce because of the decline in new timber plantings that followed the abolition of tax concessions in 1988.

"The market is being built up just now, but it might disappear again," says Mr Taylor.

## Anglesey mine hopes revived

By Kenneth Gooding, Mining Correspondent

Hopes have been raised again that Britain's first big base metals mine for decades will be developed at Parys Mountain, Anglesey.

This follows a change in the majority shareholder at Anglesey Mining, the London-quoted company that has been dormant for two years after running out of cash for the mine, which was to have produced zinc, lead and copper plus a few dry ounces of gold.

However, Mr John Kearney, well-known in the mining industry as chairman of Northgate Exploration, a Canadian company, and who has taken over as chairman of Anglesey, is cautious about prospects. He says that, although his objective is to see the UK company as an active mining company, at present there are no plans to re-start the Parys Mountain project.

First Anglesey's outstanding debts have to be dealt with. Then Mr Kearney promises "we will take another look at the Parys Mountain project. It has tilted mining companies for decades". Anglesey spent about £3.5m in four years on the project and Mr Kearney says that all the work will be reviewed. "It is a marginal property. We will see if mining can be done more cheaply, more efficiently."

The Parys Mountain area of North Wales has a long mining history, dating back to Roman times. During the late 18th century it had one of the world's largest copper mines, supplying much of the metal required for Britain's industrial revolution.

About 3.5m tonnes of rock was moved by hand, pulled up from a growing pit by ropes and eventually the mountain contained the largest man-made hole in the world - a position it retained until the

late 1890s. Mining eventually ended in 1911 after 143 years of almost continuous activity during which an estimated 130,000 tonnes of copper was produced.

Backing the attempted revival of the Anglesey company is Mid Ocean Investments, a private, Bermuda-based corporation which Mr Kearney says "represents private money which believes in the mining business". He is a director of Mid Ocean.

Mid Ocean acquired a 32.5 per cent stake in Anglesey from Imperial Metals, another Canadian company which previously backed Anglesey and is left with 11.9 per cent. Mid Ocean also bought all of Imperial's loans to Anglesey totalling £1.8m. Mid Ocean has agreed not to call these in, says Mr Kearney.

However, there is another 280,000 owed to about 12 third-party creditors so the debt must be restructured.

## BHP iron ore price settlement disappoints other producers

Bob Jones on the implications of a bench-mark deal reached this week with Japanese steel-makers

The international benchmark prices for 1995 iron ore deliveries settled by BHP in Japan on Wednesday go some way to make up the drop suffered by miners this year. The reaction of BHP's fellow suppliers, however, has been less than enthusiastic.

The details are that iron ore fines prices, on a f.o.b. basis, will rise by 5.8 per cent for deliveries to Japan from April 1 next year. The new BHP price is 27.15 cents for each 1 per cent of pure Fe content (or, per dry long ton unit). The new lump ore price of 33 cents a long ton unit represents an increase of 7.9 per cent and gives BHP a 10 per cent overall price rise for its Japanese sales, which has recently been supplying most of its minimum obligation in what is supposed to be a disastrous financial year for the Japanese steel industry.

BHP ranks as the second largest Australian iron ore supplier to Japan after GFA's

Hamerley iron. In 1994 its Japanese shipments are likely to total about 11m tonnes - 800,000 tonnes higher than the minimum it contracted to supply during 1994. Its minimum contractual tonnage in the 1995 fiscal year will be 13.6m tonnes.

By settling before Hamerley BHP regained some of the clout as an iron ore supplier that it lost when it collapsed at its Mt Whaleback mine in 1989 and the company had to declare force majeure. The settlement also established a new record premium in Japan for lump over fines of 8.74 cents. Lump ore makes up just over half of BHP's Japanese deliveries.

To many in the ore trade, however, the fact that BHP has recently been supplying most of its minimum obligation in what is supposed to be a disastrous financial year for the Japanese steel industry, that the suppliers could have got higher prices. It is true that

Japanese steel mills have been heavily loss-making until very recently, but there are undeniable signs of recovery. Japanese crude steel output in November was 15 per cent higher than in November 1993.

In the latter half of 1994, iron ore consumers, especially in Europe, have been concerned about running short of higher grade lump and pellet. Unlike fines, these grades are directly chargeable to the blast furnaces and do not require sintering. European steelmakers, especially in Benelux and Scandinavia, are closing their sinter plants for environmental reasons, adding to the pressure on direct-charge ores.

Steelmakers, which in Europe and Japan do not have direct stakes in iron ore mines, are often accused of ignoring the necessity of allowing miners a reasonable return on investment. In the economically sluggish years since 1990 iron ore prices have fallen.

Miners are nowadays frequently heard to say that prices are returns are insufficient to justify the expansions or developments of new capacity needed to ensure healthy supply in the future.

Analysts believe supplies of lump and pellet will be tight throughout 1995, with fines remaining in balance. Investment may not be taking place in large greenfield mine developments, but there have been just about enough expansions or capacity replacements to cover short-term consumption. Hamerley's new Marandoo mine in Western Australia and the M'haoudat mine in Mauritania are among the most significant such developments this year. China's continuing hunger for imported iron ore was witnessed in the opening by Portman Mining of a new joint venture mine at Kooly-anobing in Western Australia dedicated entirely to supplying China. In addition Venezuela's

CVG opened a 3m-tonnes-a-year pelletising plant last month. In April 1995 LKAB of Sweden plans to inaugurate its 4m-tonnes pelletiser at Kiruna. Until ore prices improve sufficiently to allow large-scale investment for the blast furnace market, the ore industry's attention will be focused on developing direct-charge products for the direct reduced iron sector. DRI is the fastest growing area in iron making, because the various DR technologies are beginning to prove themselves as viable alternatives to traditional blast furnace-based steelworks. Smaller scale, cleaner plants can be built at a fraction of the cost of the traditional works.

Already this year the leading US mini-mill, Nucor Corp, has opened the world's first iron carbide plant in Trinidad. BHP is also on the point of approving the construction of an export-oriented hot briquetted iron plant in western Australia.

India has built a 5m-tonnes-a-year DRI industry in the last few years. Further investments in DRI have been announced in South Korea, Venezuela and Bahrain.

The volume of iron ore consumed in DR iron making is still small compared with the blast furnace sector. The local economies in DR iron ore this year has been estimated at 368m tonnes. Annual world production of DRI has only just topped 2.5m tonnes, but the demand for DR-grade ores is likely to double in the next few years. Prices for DR-grade ores look set to outstrip those in the blast furnace sector.

The fact that scrap consuming mini-mills such as Nucor, which are the fastest growing steelmakers in the world, are themselves beginning to invest in the new iron making processes spells hope for the iron ore industry in the long term. Bob Jones is a deputy editor of Metal Bulletin magazine.

## Titanium development to cost over A\$200m

By Nikki Tait in Sydney

Broken Hill Proprietary, the Australian resources group, is to invest over A\$200m (95m) in developing a titanium minerals deposit at Bessup in Western Australia.

When operational, in about a year's time, the dredge mining and mineral separation operation at Bessup will generate about 600,000 tonnes of ilmenite and zircon a year. BHP added that it had also negotiated a smaller joint venture with the Tinfos group in Norway to process the ilmenite from the mine into high-quality titanium pigment feedstock. This will be used in the Tinfos Titan & Iron smelter at Norway's Tvedestrand.

Sale contracts covering the bulk of the ilmenite and slag output had been negotiated, BHP said. The Bessup deposits, discovered in 1988, contain an indicated resource of 83m tonnes of

ilmenite. Of this, 33m tonnes is measured. BHP said there was also exploration potential, which could extend the resource. The company's shares closed 14 cents higher on the news, at A\$19.60.

Robe River, the iron ore producer which is 53 per cent owned by Australia's North group, yesterday announced that it had negotiated a 7.2 per cent increase in the selling price of iron ore sinter fines for 1995-96 in its annual contract negotiations with the Japanese steel mills.

It said it had also agreed a guaranteed minimum sales volume to Japan of 12.5m dry long tons for 1995-96, the same as in the current year. Much of the benefit of rises in the pricing current round could be eroded by the increased strength of the Australian dollar over the past year. The contract prices, and the percentage increases, relate to US dollars.

## COMMODITIES PRICES

## BASE METALS

## LONDON METAL EXCHANGE

(Prices from Associated Metal Trading)

## ■ ALUMINIUM, 99.7 PURITY (\$ per tonne)

	Close	Settle
1997-98	1940-41	
Previous	1910-15	
High/Low	1940-1941	
AM Official	1941/1942	
Kerb close	1942-43	
Open int.	242.77	
Total daily turnover	50,964	

## ■ ALUMINIUM ALLOY (\$ per tonne)

	Close	Settle
1990-90	1890-90	
Previous	1825-35	
High/Low	1890/1890	
AM Official	1890-90	
Kerb close	1890-90	
Open int.	2,651	
Total daily turnover	908	

## ■ LEAD (\$ per tonne)

	Close	Settle
1994-95	644-45	
Previous	634-45	
High/Low	634-45	
AM Official	644-45	
Kerb close	644-45	
Open int.	42,204	
Total daily turnover	11,089	

## ■ NICKEL (\$ per tonne)

	Close	Settle
1993-94	8535-45	
Previous	8390-90	
High/Low	8475/8470	
AM Official	8475-74	
Kerb close	8475-74	
Open int.	61,720	
Total daily turnover	11,692	

## ■ TIN (\$ per tonne)

	Close	Settle
1990-90	6010-15	
Previous	5890-90	
High/Low	6010/6010	
AM Official	6010-15	
Kerb close	6010-15	
Open int.	21,679	
Total daily turnover	3,948	

## ■ ZINC, special high grade (\$ per tonne)

	Close	Settle
1991-92	1115-16	
Previous	1104-16	
High/Low	1115/1117	
AM Official	1115-16	
Kerb close	1115-16	
Open int.	105,477	
Total daily turnover	18,065	

## ■ COPPER, grade A (\$ per tonne)

	Close	Settle
1991-92	2091-92	
Previous	2067-70	
High/Low	2091/2090	
AM Official	2091-92	
Kerb close	2091-92	
Open int.	229,791	
Total daily turnover	47,991	

## ■ LME Asia Official 97.5 rate, 1.5800

	Close	Settle
1991-92	137.05	
Previous	137.05	
High/Low	137.05/137.05	
AM Official	137.05	
Kerb close	137.05	
Open int.	137.05	
Total daily turnover	137.05	

## ■ HIGH GRADE COPPER (COMEX)

	Close	Settle
1991-92	137.05	
Previous	137.05	
High/Low	137.05/137.05	
AM Official	137.05	
Kerb close	137.05	
Open int.	137.05	
Total daily turnover	137.05	

## PRECIOUS METALS continued

## ■ GOLD COMEX (100 Troy oz; \$ per oz)

	Close	Settle
1991-92	381.0	
Previous	381.0	
High/Low	381.0/381.0	
AM Official	381.0	
Kerb close	381.0	
Open int.	381.0	
Total daily turnover	381.0	

## ■ PLATINUM NYMEX (50 Troy oz; \$ per oz)

	Close	Settle
1991-92	414.5	
Previous	414.5	
High/Low	414.5/414.5	
AM Official	414.5	
Kerb close	414.5	
Open int.	414.5	
Total daily turnover	414.5	

## ■ PALLADIUM NYMEX (100 Troy oz; \$ per oz)

	Close	Settle
1991-92	155.10	
Previous	155.10	
High/Low	155.10/155.10	
AM Official	155.10	
Kerb close	155.10	
Open int.	155.10	
Total daily turnover	155.10	

## ■ SILVER COMEX (100 Troy oz; \$ per oz)

	Close	Settle
1991-92	475.9	
Previous	475.9	
High/Low	475.9/475.9	
AM Official	475.9	
Kerb close	475.9	
Open int.	475.9	
Total daily turnover	475.9	

## ■ ENERGY

## ■ CRUDE OIL NYMEX (42,000 US gal; \$ per barrel)

	Close	Settle
1991-92	17.07	
Previous	17.07	
High/Low	17.07/17.07	
AM Official	17.07	
Kerb close	17.07	
Open int.	17.07	
Total daily turnover	17.07	

## ■ CRUDE OIL, ICE (per barrel)

	Close	Settle
1991-92	15.98	
Previous	15.98	
High/Low	15.98/15.98	
AM Official	15.98	
Kerb close	15.98	
Open int.	15.98	
Total daily turnover	15.98	

## ■ COPIER, grade A (\$ per tonne)

	Close	Settle
1991-92	2091-92	
Previous	2067-70	
High/Low	2091/2090	
AM Official	2091-92	
Kerb close	2091-92	
Open int.	229,791	
Total daily turnover	47,991	

## ■ LME Asia Official 97.5 rate, 1.5800

	Close	Settle
1991-92	137.05	
Previous	137.05	
High/Low	137.05/137.05	
AM Official	137.05	
Kerb close	137.05	
Open int.	137.05	
Total daily turnover	137.05	

## ■ HIGH GRADE COPPER (COMEX)

	Close	Settle
1991-92	137.05	
Previous	137.05	
High/Low	137.05/137.05	
AM Official	137.05	
Kerb close	137.05	
Open int.	137.05	
Total daily turnover	137.05	

## GRAINS AND OIL SEEDS

## ■ WHEAT LCE (\$ per tonne)

	Close	Settle
1991-92	108.00	
Previous	108.00	
High/Low	108.00/108.00	
AM Official	108.00	
Kerb close	108.00	
Open int.	108.00	
Total daily turnover	108.00	

## ■ WHEAT CBT (\$,000 US gal; cents/bushel)

	Close	Settle
1991-92	36.00	
Previous	36.00	
High/Low	36.00/36.00	
AM Official	36.00	
Kerb close	36.00	
Open int.	36.00	
Total daily turnover	36.00	

## ■ MAIZE CBT (\$,000 US gal; cents/bushel)

	Close	Settle
1991-92	21.00	
Previous	21.00	
High/Low	21.00/21.00	
AM Official	21.00	
Kerb close	21.00	
Open int.	21.00	
Total daily turnover	21.00	

## ■ SOYABEAN CBT (\$,000 US gal; cents/bushel)

	Close	Settle
1991-92	21.00	
Previous	21.00	
High/Low	21.00/21.00	
AM Official	21.00	
Kerb close	21.00	
Open int.	21.00	
Total daily turnover	21.00	

## ■ SOYABEAN OIL CBT (\$,000 US gal; cents/bushel)

Feb	1978	+15	1980	1980	218
Mar	1983	+26	1983	1980	-
Apr	1970	+10	1980	1980	1,083
Jul	1985	+15	1673	1985	281
Oct	1728	+23	1725	1715	117
Total					3,211
	Close	Plus			
HP	1982	1987			



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MARKET REPORT

End-year rally sees FT-SE on the verge of 3,100

By Steve Thompsett

The UK market took another hard look at the 3,100 level on the FT-SE 100 but ultimately failed in its effort to break through that level, despite some good news on the domestic economy, underlying takeover speculation and renewed strength on Wall Street.

The general expectation around London's trading days after the market closed was that the 100 index should manage to move through what is seen as a substantial chart level if Wall Street managed to hold the level it was trading when London declassified its books for the day.

But a move above 3,100 is by no means a foregone conclusion, dealers said. "It could well be something of a trial of strength in the market."

with the futures boys trying to drive the underlying market through that level; but you must remember that the Life market closes shortly after noon and there are stories that the market's bears could move in to sell the cash market," said a senior marketmaker.

The stockmarket remains open until the normal 4.30pm close, after a Bank of England request, apparently to provide liquidity for the gilt market.

At the end of another session of keen interest in equities, the FT-SE 100 index closed 21.3 higher at 3,091.7, its highest closing level since November 21, and a rise of 143.3, or 5 per cent, since December 13. The FT-SE Mid 250 index also made rapid progress, closing 19.3 higher at 3,465.9.

There was reassurance around

the City's dealing rooms at the relatively high levels of customer activity still going on so close to the Christmas holidays. Turnover yesterday totalled 877.4m shares, with non-FT-SE issues providing activity in 345.7m shares, or 60 per cent of the overall figure. Wednesday's good turnover levels translated into lucrative customer business for the market with deals worth £1.65bn, well above recent daily levels and a figure given a warm welcome in the market.

The securities industry has been hit by a series of small but widely publicised job losses recently and the feeling around the City of London is that the market needs a strong boost to head off what are expected to be further losses in the near future. Rumblings of substantial mergers between some of the

big UK marketmaking firms and overseas firms, mainly US, have been heard for some weeks. One story doing the rounds in London was that Chase Manhattan, the US bank, could be seeking to re-establish a presence in the European/UK equity markets after its expensive foray in the wake of the Big Bang.

London began the session in good form and apart from an early bout of selling pressure, which was never more than an irritant, performed strongly all day.

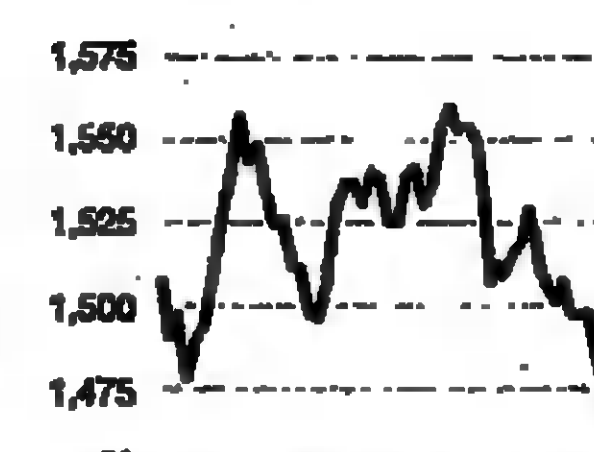
The early thrust for the market came from the US which jumped more than 50 points at one stage before settling 84 higher. Sentiment was bolstered in mid-morning with news that the US balance had moved into the black to the tune of \$246m in the third quarter, the first positive quarterly result since 1987.

The marginal downward revision of third quarter gross domestic product, from a 0.9 per cent rise to one of 0.6 per cent, giving an annualised growth rate of plus 4.1 per cent, gave the market a cause for concern.

The good economic news and a strong opening performance by Wall Street, where the Dow showed a double-digit rise shortly after the opening and was up over 20 points two hours after London closed, provided a real boost to UK equities and drove the FT-SE 100 up more than 25 points, before it eased slightly at the close.

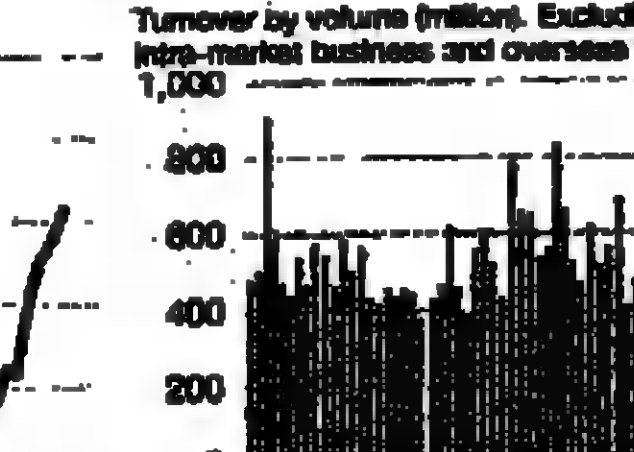
BP, one of the UK market's great success stories over the year, approached its all-time high with UK institutions still trying to achieve market weightings in the stock market.

FT-SE-A All-Share Index



Source: FT Computations

Equity Shares Traded



Key Indicators

Indices and ratios	
FT-SE 100	3091.7
FT-SE Mid 250	3465.9
FT-SE-A 350	1543.7
FT-SE-A All-Share	1529.09
FT-SE-A All-Share yield	4.00
Best performing sectors	
1 Gas Distribution	.....
2 Property	.....
3 Water	.....
4 Retailers, Food	.....
5 Food Manufacturers	.....

Best performing sectors

1 Gas Distribution	+1.7
2 Property	+1.6
3 Water	+1.5
4 Retailers, Food	+1.3
5 Food Manufacturers	+1.2

Worst performing sectors

1 Insurance	-0.8
2 Pharmaceuticals	-0.4
3 Other Services & Banks	-0.4
4 Tobacco	-0.2
5 Engineering, Vehicles	-0.0

US link talk lifts C&W

Bolstered by talk of a possible deal with US telecoms giant AT&T, shares in Cable and Wireless continued to improve, moving forward 6 to 38p in 6.8m turnover.

Speculation suggests that the group's hard pressed Mercury subsidiary, has become the focus of AT&T's expansion plans following this week's granting of a licence allowing

the US group to offer a full range of telephone services in the UK.

Past link-up talks between the two groups have foundered. But the severe price and volume squeeze under way at Mercury, which is widely expected to face a 10 per cent fall in operating profits in 1995, is said to be putting urgent impetus behind the present discussions.

According to one whisper, C&W is about to split Mercury into two companies - services and network - and that AT&T is prepared to buy up to 30 per cent of Mercury's network operations. These, according to Nomura Securities, have a

basic value of around \$1.2bn. This week C&W has outperformed the market, having lagged behind by around a fifth on a 12-month view.

**Wellcome support**

Pharmaceuticals group Wellcome was restrained in early trading as the latest audit data on sales of its Zovirax treatment for herpes prompted profit-taking. The data were not believed to be seriously worrying but Wellcome, along with other leaders in the sector, has performed strongly.

Then in the afternoon there was heavy buying of traded options, fueling off bid specu-

lation and the stock recovered to close 3 higher at 769p.

Zeneca fell in spite of the acquisition of 50 per cent of Salick Healthcare for \$195m. The deal will expand Zeneca's involvement in cancer care and was described by Mr Paul Kridler of Goldman Sachs as an "excellent move". But the shares dipped 6 to 885p as dealers noted that they had hit a record high on Monday.

Shares in property group Stanhope were suspended pending clarification of the company's financial position. The shares had advanced a penny to 8p before the mid-afternoon suspension, which came as the market waited

hear if the group's bankers would come up with a financial rescue plan.

The £1.5m offer for Kuwaiti owned St Martin's Property reported earlier this week continued to boost demand in the rest of the sector. Hammerson, which announced the acquisition of two retail property sites in Canada, put on 6 to 348p.

Insurance were sold down on growing concern that the cut in household insurance premiums by the Halifax would lead to a price war, but some houses were taking a more fundamental approach which led to a strong two-way trade in the sector.

Some integrated securities houses were ignoring the impending margin pressures and concentrating on the valuations of the stocks compared to their net asset values. UBS was one house which was actively supporting the sector, and which bought several of the composite stocks up from their lows. Sun Alliance, the main underwriter for the Halifax, said which was still at worst, also received support from an S&P buy recommendation. It ended the day only 3 lower at 397p.

General Accident, off 14 at one stage, closed 4 down at 515p and Royal Insurance moved from 11 off to end a net penny down.

The rumoured dawn raid on bid target Northern Electric did not happen but the shares rose 7 to 100p in anticipation. The view is that Swiss Bank Corp, acting for Trafalgar, will soon go into the market to try

and buy around 10 per cent of Northern's shares.

The latest speculation in the water sector suggested international conglomerate Hanson may launch a bid for Welsh Water. The latter raced 12 ahead to 650p and Hanson firmed 1% to 234p.

The recent recovery seen in the stores sector was extended yesterday as investors about Christmas trading continued in some quarters. Great Univer-

sity Stores gained 11% at 543p and Argos 4 at 349p. Marks and Spencer brushed aside a James Capel profits downgrade to end 4 ahead at 386p.

News that fund manager Jupiter Tyndall was in talks over its possible acquisition gave a shot in the arm to others within the sector. Gartmore appreciated 6 to 182p, Invesco 30 to 1165p and Perpetual 30 to 1165p. However, Jupiter lost 9 at 263p.

Hotels and leisure group Ladbroke gained 5 at 170p in trade of 5.6m, with dealers reporting further switching into the stock from Rank Organisation, 2 lighter at 409p. Yesterday's trades followed a move by Goldman Sachs earlier this week in which it switched a large holding out of Rank and into Ladbroke.

Granada Group was another stock said to have benefited from some switching out of Rank. The shares climbed 10 to 506p as greater note was taken of a recent buy recommendation from BZW. A circular from the investment bank said Granada "has made very clear its resolve to keep dividends rising strongly".

Burmah Castrol moved ahead 14 to 795p after S.G. Warburg upgraded the company to "add" from "hold" following the stock's recent poor showing relative to the overall market. Warburg said the shares had underperformed the market by 13 per cent since August when they reached a 12-month peak of 915p.

A big buyer for tightly traded Associated British Foods helped the shares appreciate 14 to 582p.

Food manufacturer Canadian Pizza stunned the market with its second profits warning this year, prompting brokers to downgrade estimates. The shares dipped 6 to 83p.

BTR was the most heavily traded Footsie stock, notching up turnover of 13m shares following news of the latest acquisition within its far flung empire. BTR Nyx, the 62 per cent-owned Australian unit, is paying AS\$90m for the US group which makes Formica laminates. BTR shares put on 3% at 290p against a background of heavy switching with the 1995 warrants.

A buy note from Henderson Crosswhite focusing on break-up value helped to lift British Aerospace. The agency broker's revised break-up value for BAe is 800p, against which the shares, up 5 at 431p, stand at a discount of 45 per cent.

Hall Engineering tumbled 13 to 150p following the announcement of a £4.2m reorganisation provisions. From plant specialist APV closed 2 to 54p, with turnover in the stock boosted to 5.5m as several large lines of stock went through the market. Analysts have begun to suspect that the group's restructuring timetable, initially scheduled for late this year, has been put back to early in 1995.

**MARKET REPORTERS:**  
Peter John, Joel Kilbass, Jeffrey Brown.

Other statistics, Page 20

EQUITY FUTURES AND OPTIONS TRADING

Stock index futures had another strong session, with the FT-SE 100 March contract breaking through the 3,115 resistance level, writes Jeffrey Brown.

The day's performance was strong about with all sorts of buying signals, dealers said, adding that were it not for the

TRADING VOLUME

Major Stocks Yesterday

Stock	Vol	Chg	Day's Range
ASDA Group	4,400	+0.5	1,400-1,410
ASDA Retail	4,400	+0.5	1,400-1,410
ASDA Retail	4,400	+0.5	1,400-1,410
ASDA Retail	4,400	+0.5	1,400-1,410
ASDA Retail	4,400	+0.5	1,400-1,410

NEW HIGHS AND LOWS FOR 1994

Company	High	Low
ASDA Group	1,410	1,390
ASDA Retail	1,410	1,390
ASDA Retail	1,410	1,390
ASDA Retail	1,410	1,390
ASDA Retail	1,410	1,390

FT-SE 100 INDEX FUTURES (LFFE) £25 per full index point

Month	Open	Sett	High	Low	Vol	Open Int
Mar	3104.0	3125.0	3130.0	3100.0	9595	55497
Jun	3107.0	3127.0	3132.0	3103.0	0	2925

FT-SE MID 250 INDEX FUTURES (LFFE) £10 per full index point

Month	Open	Sett	High	Low	Vol	Open Int
Mar	3005.0	3015.0	3020.0	3000.0	71	3097

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FT-SE Actuarial Share Indices

Index	Dec 22	Dec 21	Dec 20	Dec 19	Year	Div	Yld	Adj	Ret
FT-SE 100	3091.7	+0.7	3070.4	3058.1	3036.5	4.17	7.21	10.37	129.80
FT-SE Mid 250	3465.9	+0.8	3446.6	3433.7	3400.0	3.72	7.17	10.38	131.20

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LIFFE EQUITY OPTIONS

Option	Call	Put	Call	Put	Call	Put
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FT-SE Actuarial Share Indices

10 MINERAL EXTRACTION(S)	3769.01	+0.8	3755.27	3745.8	3698.4	254.00	3.62
12 Bioactive Intestine(S)	3938.99	+0.5	3937.03	3925.0	3871.0	4.71	
13 Chemical Intestine(S)	3938.99	+0.5	3937.03	3925.0	3871.0	4.71	
14 Oil Exploration & Prod(S)	1391.45	+0.4	1355.89	1345.4	1297.7	5.26	
20 GEN MANUFACTURES(S)(200)	1331.87	+0.6	1315.71	1282.05	1243.14	2015.95	4.28
21 Building & Construction(S)	952.25	+0.6	973.14	977.02	974.91	2217.75	3.98
22 Building Mates & Merch(S)	1708.31	+0.4	1705.47	1708.04	1730.21	127.95	3.96
23 Chemical(S)	2291.19	+1.0	2269.29	2241.10	2252.82	2205.40	4.13
24 Chemical Intestine(S)	1880.42	+0.9	1874.14	1865.10	1855.98	2261.49	6.57
25 Chemical Intestine(S) - Great Europe(S)	1880.42	+0.9	1874.14	1865.10	1855.98	2261.49	4.13
26 Engineering(S)	1778.23	+0.7	1774.59	1770.00	1780.43	1774.98	3.98
27 Engineering, Vehicles(S)	2148.22	+0.7	2167.52	2173.11	2177.73	2124.94	4.04



## CHEMICALS

[illegible]

## ELECTRONIC &amp; ELECTRICAL PAINT - Cont.

1994		1995		1996	
Alabama	200	200	200	200	200
Alaska	200	200	200	200	200
Arizona	200	200	200	200	200
Arkansas	200	200	200	200	200
California	200	200	200	200	200
Colorado	200	200	200	200	200
Connecticut	200	200	200	200	200
Delaware	200	200	200	200	200
District of Columbia	200	200	200	200	200
Florida	200	200	200	200	200
Georgia	200	200	200	200	200
Hawaii	200	200	200	200	200
Idaho	200	200	200	200	200
Illinois	200	200	200	200	200
Indiana	200	200	200	200	200
Iowa	200	200	200	200	200
Kansas	200	200	200	200	200
Kentucky	200	200	200	200	200
Louisiana	200	200	200	200	200
Maine	200	200	200	200	200
Maryland	200	200	200	200	200
Massachusetts	200	200	200	200	200
Michigan	200	200	200	200	200
Minnesota	200	200	200	200	200
Mississippi	200	200	200	200	200
Missouri	200	200	200	200	200
Montana	200	200	200	200	200
Nebraska	200	200	200	200	200
Nevada	200	200	200	200	200
New Hampshire	200	200	200	200	200
New Jersey	200	200	200	200	200
New Mexico	200	200	200	200	200
New York	200	200	200	200	200
North Carolina	200	200	200	200	200
North Dakota	200	200	200	200	200
Ohio	200	200	200	200	200
Oklahoma	200	200	200	200	200
Oregon	200	200	200	200	200
Pennsylvania	200	200	200	200	200
Rhode Island	200	200	200	200	200
South Carolina	200	200	200	200	200
South Dakota	200	200	200	200	200
Tennessee	200	200	200	200	200
Texas	200	200	200	200	200
Utah	200	200	200	200	200
Vermont	200	200	200	200	200
Virginia	200	200	200	200	200
Washington	200	200	200	200	200
West Virginia	200	200	200	200	200
Wisconsin	200	200	200	200	200
Wyoming	200	200	200	200	200

## EXTRACTIVE INDUSTRIES - Cont.

[illegible]

### HEALTH CARE - Cont.

[illegible]

### INDEPENDENT TRUSTS - Cont.

[illegible]

**BREWERY**

[illegible]

## DISTRIBUTORS

[illegible]

## ENGINEERING

[illegible]

## BUILDING A CONSTRUCTION

[illegible]

## DIVERSIFIED INDUSTRIALS

[illegible]

1000

1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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## FOOD MANUFACTURERS

[illegible]

## INSURANCE

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## INVESTMENT TRUSTS

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## BUILDING MATS. & MERCHANTS

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## ELECTRICITY

		1984		1985		1986		1987	
	Model	Price	MPG	Price	MPG	Price	MPG	Price	MPG
Light Truck	2000	154	16	164	16	174	16	184	16
Van	2000	164	16	174	16	184	16	194	16
Passenger	2000	174	16	184	16	194	16	204	16
Station Wagon	2000	184	16	194	16	204	16	214	16
Truck	2000	194	16	204	16	214	16	224	16
Van	2000	204	16	214	16	224	16	234	16
Passenger	2000	214	16	224	16	234	16	244	16
Station Wagon	2000	224	16	234	16	244	16	254	16
Truck	2000	234	16	244	16	254	16	264	16
Van	2000	244	16	254	16	264	16	274	16
Passenger	2000	254	16	264	16	274	16	284	16
Station Wagon	2000	264	16	274	16	284	16	294	16
Truck	2000	274	16	284	16	294	16	304	16
Van	2000	284	16	294	16	304	16	314	16
Passenger	2000	294	16	304	16	314	16	324	16
Station Wagon	2000	304	16	314	16	324	16	334	16
Truck	2000	314	16	324	16	334	16	344	16
Van	2000	324	16	334	16	344	16	354	16
Passenger	2000	334	16	344	16	354	16	364	16
Station Wagon	2000	344	16	354	16	364	16	374	16
Truck	2000	354	16	364	16	374	16	384	16
Van	2000	364	16	374	16	384	16	394	16
Passenger	2000	374	16	384	16	394	16	404	16
Station Wagon	2000	384	16	394	16	404	16	414	16
Truck	2000	394	16	404	16	414	16	424	16
Van	2000	404	16	414	16	424	16	434	16
Passenger	2000	414	16	424	16	434	16	444	16
Station Wagon	2000	424	16	434	16	444	16	454	16
Truck	2000	434	16	444	16	454	16	464	16
Van	2000	444	16	454	16	464	16	474	16
Passenger	2000	454	16	464	16	474	16	484	16
Station Wagon	2000	464	16	474	16	484	16	494	16
Truck	2000	474	16	484	16	494	16	504	16
Van	2000	484	16	494	16	504	16	514	16
Passenger	2000	494	16	504	16	514	16	524	16
Station Wagon	2000	504	16	514	16	524	16	534	16
Truck	2000	514	16	524	16	534	16	544	16
Van	2000	524	16	534	16	544	16	554	16
Passenger	2000	534	16	544	16	554	16	564	16
Station Wagon	2000	544	16	554	16	564	16	574	16
Truck	2000	554	16	564	16	574	16	584	16
Van	2000	564	16	574	16	584	16	594	16
Passenger	2000	574	16	584	16	594	16	604	16
Station Wagon	2000	584	16	594	16	604	16	614	16
Truck	2000	594	16	604	16	614	16	624	16
Van	2000	604	16	614	16	624	16	634	16
Passenger	2000	614	16	624	16	634	16	644	16
Station Wagon	2000	624	16	634	16	644	16	654	16
Truck	2000	634	16	644	16	654	16	664	16
Van	2000	644	16	654	16	664	16	674	16
Passenger	2000	654	16	664	16	674	16	684	16
Station Wagon	2000	664	16	674	16	684	16	694	16
Truck	2000	674	16	684	16	694	16	704	16
Van	2000	684	16	694	16	704	16	714	16
Passenger	2000	694	16	704	16	714	16	724	16
Station Wagon	2000	704	16	714	16	724	16	734	16
Truck	2000	714	16	724	16	734	16	744	16
Van	2000	724	16	734	16	744	16	754	16
Passenger	2000	734	16	744	16	754	16	764	16
Station Wagon	2000	744	16	754	16	764	16	774	16
Truck	2000	754	16	764	16	774	16	784	16
Van	2000	764	16	774	16	784	16	794	16
Passenger	2000	774	16	784	16	794	16	804	16
Station Wagon	2000	784	16	794	16	804	16	814	16
Truck	2000	794	16	804	16	814	16	824	16
Van	2000	804	16	814	16	824	16	834	16
Passenger	2000	814	16	824	16	834	16	844	16
Station Wagon	2000	824	16	834	16	844	16	854	16
Truck	2000	834	16	844	16	854	16	864	16
Van	2000	844	16	854	16	864	16	874	16
Passenger	2000	854	16	864	16	874	16	884	16
Station Wagon	2000	864	16	874	16	884	16	894	16
Truck	2000	874	16	884	16	894	16	904	16
Van	2000	884	16	894	16	904	16	914	16
Passenger	2000	894	16	904	16	914	16	924	16
Station Wagon	2000	904	16	914	16	924	16	934	16
Truck	2000	914	16	924	16	934	16	944	16
Van	2000	924	16	934	16	944	16	954	16
Passenger	2000	934	16	944	16	954	16	964	16
Station Wagon	2000	944	16	954	16	964	16	974	16
Truck	2000	954	16	964	16	974	16	984	16
Van	2000	964	16	974	16	984	16	994	16
Passenger	2000	974	16	984	16	994	16	1004	16
Station Wagon	2000	984	16	994	16	1004	16	1014	16
Truck	2000	994	16	1004	16	1014	16	1024	16
Van	2000	1004	16	1014	16	1024	16	1034	16
Passenger	2000	1014	16	1024	16	1034	16	1044	16
Station Wagon	2000	1024	16	1034	16	1044	16	1054	16
Truck	2000	1034	16	1044	16	1054	16	1064	16
Van	2000	1044	16	1054	16	1064	16	1074	16
Passenger	2000	1054	16	1064	16	1074	16	1084	16
Station Wagon	2000	1064	16	1074	16	1084	16	1094	16
Truck	2000	1074	16	1084	16	1094	16	1104	16
Van	2000	1084	16	1094	16	1104	16	1114	16
Passenger	2000	1094	16	1104	16	1114	16	1124	16
Station Wagon	2000	1104	16	1114	16	1124	16	1134	16
Truck	2000	1114	16	1124	16	1134	16	1144	16
Van	2000	1124	16	1134	16	1144	16	1154	16
Passenger	2000	1134	16	1144	16	1154	16	1164	16
Station Wagon	2000	1144	16	1154	16	1164	16	1174	16
Truck	2000	1154	16	1164	16	1174	16	1184	16
Van	2000	1164	16	1174	16	1184	16	1194	16
Passenger	2000	1174	16	1184	16	1194	16	1204	16
Station Wagon	2000	1184	16	1194	16	1204	16	1214	16
Truck	2000	1194	16	1204	16	1214	16	1224	16
Van	2000	1204	16	1214	16	1224	16	1234	16
Passenger	2000	1214	16	1224	16	1234	16	1244	16
Station Wagon	2000	1224	16	1234	16	1244	16	1254	16
Truck	2000	1234	16	1244	16	1254	16	1264	16
Van	2000	1244	16	1254	16	1264	16	1274	16
Passenger	2000	1254	16	1264	16	1274	16	1284	16
Station Wagon	2000	1264	16	1274	16	1284	16	1294	16
Truck	2000	1274	16	1284	16	1294	16	1304	16
Van	2000	1284	16	1294	16	1304	16	1314	16
Passenger	2000	1294	16	1304	16	1314	16	1324	16
Station Wagon	2000	1304	16	1314	16	1324	16	1334	16
Truck	2000	1314	16	1324	16	1334	16	1344	16
Van	2000	1324	16	1334	16	1344	16	1354	16
Passenger	2000	1334	16	1344	16	1354	16	1364	16
Station Wagon	2000	1344	16	1354	16	1364	16	1374	16
Truck	2000	1354	16	1364	16	1374	16	1384	16
Van	2000	1364	16	1374	16	1384	16	1394	16
Passenger	2000	1374	16	1384	16	1394	16	1404	16
Station Wagon	2000	1384	16	1394	16	1404	16	1414	16
Truck	2000	1394	16	1404	16	1414	16	1424	16
Van	2000	1404	16	1414	16	1424	16	1434	16
Passenger	2000	1414	16	1424	16	1434	16	1444	16
Station Wagon	2000	1424	16	1434	16	1444	16	1454	16
Truck	2000	1434	16	1444	16	1454	16	1464	16
Van	2000	1444	16	1454	16	1464	16	1474	16
Passenger	2000	1454	16	1464	16	1474	16	1484	16
Station Wagon	2000	1464	16	1474	16	1484	16	1494	16
Truck	2000	1474	16	1484	16	1494	16	1504	16
Van	2000	1484	16	1494	16	1504	16	1514	16
Passenger	2000	1494	16	1504	16	1514	16	1524	16
Station Wagon	2000	1504	16	1514	16	1524	16	1534	16
Truck	2000	1514	16	1524	16	1534	16	1544	16
Van	2000	1524	16	1534	16	1544	16	1554	16
Passenger	2000	1534	16	1544	16	1554	16	1564	16
Station Wagon	2000	1544	16	1554	16	1564	16	1574	16
Truck	2000	1554	16	1564	16	1574	16	1584	16
Van	2000	1564	16	1574	16	1584	16	1594	16
Passenger	2000	1574	16	1584	16	1594	16	1604	16
Station Wagon	2000	1584	16	1594	16	1604	16	1614	16
Truck	2000	1594	16	1604	16	1614	16	1624	16
Van	2000	1604	16	1614	16	1624	16	1634	16
Passenger	2000	1614	16	1624	16	1634	16	1644	16
Station Wagon	2000	1624	16	1634	16	1644	16	1654	16
Truck	2000	1634	16	1644	16	1654	16	1664	16
Van	2000	1644	16	1654	16	1664	16	1674	

## ENGINEERING VEHICLES

		- 1994		1994		1994	
Name	Price	High	Low	MA	Vol	MA	Vol
Aluminum Rec B: 20	110	110	109	109	10	109	10
Aluminum Rec C: 20	110	110	109	109	10	109	10
Aluminum Rec D: 20	110	110	109	109	10	109	10
Aluminum Rec E: 20	110	110	109	109	10	109	10
Aluminum Rec F: 20	110	110	109	109	10	109	10
Aluminum Rec G: 20	110	110	109	109	10	109	10
Aluminum Rec H: 20	110	110	109	109	10	109	10
Aluminum Rec I: 20	110	110	109	109	10	109	10
Aluminum Rec J: 20	110	110	109	109	10	109	10
Aluminum Rec K: 20	110	110	109	109	10	109	10
Aluminum Rec L: 20	110	110	109	109	10	109	10
Aluminum Rec M: 20	110	110	109	109	10	109	10
Aluminum Rec N: 20	110	110	109	109	10	109	10
Aluminum Rec O: 20	110	110	109	109	10	109	10
Aluminum Rec P: 20	110	110	109	109	10	109	10
Aluminum Rec Q: 20	110	110	109	109	10	109	10
Aluminum Rec R: 20	110	110	109	109	10	109	10
Aluminum Rec S: 20	110	110	109	109	10	109	10
Aluminum Rec T: 20	110	110	109	109	10	109	10
Aluminum Rec U: 20	110	110	109	109	10	109	10
Aluminum Rec V: 20	110	110	109	109	10	109	10
Aluminum Rec W: 20	110	110	109	109	10	109	10
Aluminum Rec X: 20	110	110	109	109	10	109	10
Aluminum Rec Y: 20	110	110	109	109	10	109	10
Aluminum Rec Z: 20	110	110	109	109	10	109	10
Aluminum Rec AA: 20	110	110	109	109	10	109	10
Aluminum Rec AB: 20	110	110	109	109	10	109	10
Aluminum Rec AC: 20	110	110	109	109	10	109	10
Aluminum Rec AD: 20	110	110	109	109	10	109	10
Aluminum Rec AE: 20	110	110	109	109	10	109	10
Aluminum Rec AF: 20	110	110	109	109	10	109	10
Aluminum Rec AG: 20	110	110	109	109	10	109	10
Aluminum Rec AH: 20	110	110	109	109	10	109	10
Aluminum Rec AI: 20	110	110	109	109	10	109	10
Aluminum Rec AJ: 20	110	110	109	109	10	109	10
Aluminum Rec AK: 20	110	110	109	109	10	109	10
Aluminum Rec AL: 20	110	110	109	109	10	109	10
Aluminum Rec AM: 20	110	110	109	109	10	109	10
Aluminum Rec AN: 20	110	110	109	109	10	109	10
Aluminum Rec AO: 20	110	110	109	109	10	109	10
Aluminum Rec AP: 20	110	110	109	109	10	109	10
Aluminum Rec AQ: 20	110	110	109	109	10	109	10
Aluminum Rec AR: 20	110	110	109	109	10	109	10
Aluminum Rec AS: 20	110	110	109	109	10	109	10
Aluminum Rec AT: 20	110	110	109	109	10	109	10
Aluminum Rec AU: 20	110	110	109	109	10	109	10
Aluminum Rec AV: 20	110	110	109	109	10	109	10
Aluminum Rec AW: 20	110	110	109	109	10	109	10
Aluminum Rec AX: 20	110	110	109	109	10	109	10

### GAS DISTRIBUTION

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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Whitehead

Country	Year	Value	Unit
Andorra	2000	180	1
Armenia	2000	180	1
Australia	2000	180	1
Austria	2000	180	1
Bahrain	2000	180	1
Bangladesh	2000	180	1
Barbados	2000	180	1
Belarus	2000	180	1
Belgium	2000	180	1
Belize	2000	180	1
Bermuda	2000	180	1
Bhutan	2000	180	1
Bolivia	2000	180	1
Bosnia and Herzegovina	2000	180	1
Botswana	2000	180	1
Brazil	2000	180	1
Bulgaria	2000	180	1
Burkina Faso	2000	180	1
Burundi	2000	180	1
Cambodia	2000	180	1
Cameroon	2000	180	1
Canada	2000	180	1
Cape Verde	2000	180	1
Cayman Islands	2000	180	1
Czech Republic	2000	180	1
Dominica	2000	180	1
Dominican Republic	2000	180	1
Ecuador	2000	180	1
Egypt	2000	180	1
El Salvador	2000	180	1
Equatorial Guinea	2000	180	1
Eritrea	2000	180	1
Estonia	2000	180	1
Ethiopia	2000	180	1
Fiji	2000	180	1
Finland	2000	180	1
France	2000	180	1
Gabon	2000	180	1
Gambia	2000	180	1
Georgia	2000	180	1
Germany	2000	180	1
Ghana	2000	180	1
Greece	2000	180	1
Greenland	2000	180	1
Grenada	2000	180	1
Guatemala	2000	180	1
Guinea	2000	180	1
Guinea-Bissau	2000	180	1
Haiti	2000	180	1
Honduras	2000	180	1
Hungary	2000	180	1
Iceland	2000	180	1
India	2000	180	1
Indonesia	2000	180	1
Iran	2000	180	1
Ireland	2000	180	1
Israel	2000	180	1
Italy	2000	180	1
Jamaica	2000	180	1
Japan	2000	180	1
Jordan	2000	180	1
Kazakhstan	2000	180	1
Kenya	2000	180	1
Korea	2000	180	1
Kosovo	2000	180	1
Kuwait	2000	180	1
Kyrgyzstan	2000	180	1
Laos	2000	180	1
Lao PDR	2000	180	1
Latvia	2000	180	1
Lebanon	2000	180	1
Lesotho	2000	180	1
Liberia	2000	180	1
Lithuania	2000	180	1
Luxembourg	2000	180	1
Macao	2000	180	1
Macedonia	2000	180	1
Madagascar	2000	180	1
Malawi	2000	180	1
Malaysia	2000	180	1
Maldives	2000	180	1
Mali	2000	180	1
Malta	2000	180	1
Mauritania	2000	180	1
Mauritius	2000	180	1
Mexico	2000	180	1
Moldova	2000	180	1
Mongolia	2000	180	1
Montenegro	2000	180	1
Morocco	2000	180	1
Mozambique	2000	180	1
Myanmar	2000	180	1
Namibia	2000	180	1
Nepal	2000	180	1
Netherlands	2000	180	1
Netherlands Antilles	2000	180	1
New Zealand	2000	180	1
Nicaragua	2000	180	1
Niger	2000	180	1

43 Smaller Co's. <input type="checkbox"/>	119	123
44 Smaller Inst. <input type="checkbox"/>	121	123

[illegible]

### OTHER INVESTMENT TRUSTS

[illegible]**INVESTMENT COMPANY**

Company	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	29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LEISURE & HOTEL

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**TRANSPORT - Contd**[illegible]

SOUTH AFRICA		
	Notes	Price
Anglo Am Ind.		234
Barlows	+	25 1/2
Gold Fields Prop R		118 1/2
NK Prop R		95
SABU	+	22 1/2
SA Brown		214 1/2
Tiger Gold		76 1/2
Thomson-Holten	+	72 1/2

## GUIDE TO LONDON

Prices for the London Share SE member of the Financial Times

Company classifications are by Share Indexes.

Closing mid-prices are shown in pence on basis-day of sale.

Where stocks are denominated in millions after the name.

Symbols referring to dividend or price to yield and P/E ratios. on Market.

Market capitalization.

[illegible]

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## WORLD STOCK MARKETS

EUROPE									
Austria (Dec 22 / Fri)									
ATX	1,234.56	+10.23	1,224.33	1,234.56	1,234.56	1,234.56	1,234.56	1,234.56	1,234.56
Belgium (Dec 22 / Fri)									
BEX	3,456.78	+15.67	3,441.11	3,456.78	3,456.78	3,456.78	3,456.78	3,456.78	3,456.78
Denmark (Dec 22 / Fri)									
OMXC20	1,567.89	+8.90	1,558.99	1,567.89	1,567.89	1,567.89	1,567.89	1,567.89	1,567.89
France (Dec 22 / Fri)									
CAC	2,345.67	+12.34	2,333.33	2,345.67	2,345.67	2,345.67	2,345.67	2,345.67	2,345.67
Germany (Dec 22 / Fri)									
DAX	3,210.98	+18.76	3,192.22	3,210.98	3,210.98	3,210.98	3,210.98	3,210.98	3,210.98
Italy (Dec 22 / Fri)									
ISEQ	1,876.54	+9.87	1,866.67	1,876.54	1,876.54	1,876.54	1,876.54	1,876.54	1,876.54
Japan (Dec 22 / Fri)									
Nikkei	15,678.90	+120.45	15,558.45	15,678.90	15,678.90	15,678.90	15,678.90	15,678.90	15,678.90
Netherlands (Dec 22 / Fri)									
AEX	2,109.87	+11.23	2,098.64	2,109.87	2,109.87	2,109.87	2,109.87	2,109.87	2,109.87
Norway (Dec 22 / Fri)									
OSEX	1,234.56	+7.89	1,226.67	1,234.56	1,234.56	1,234.56	1,234.56	1,234.56	1,234.56
Spain (Dec 22 / Fri)									
IBEX	3,456.78	+14.56	3,442.22	3,456.78	3,456.78	3,456.78	3,456.78	3,456.78	3,456.78
Sweden (Dec 22 / Fri)									
OMXC20	1,567.89	+8.90	1,558.99	1,567.89	1,567.89	1,567.89	1,567.89	1,567.89	1,567.89
Switzerland (Dec 22 / Fri)									
SIX	2,345.67	+10.12	2,335.55	2,345.67	2,345.67	2,345.67	2,345.67	2,345.67	2,345.67
UK (Dec 22 / Fri)									
FTSE 100	4,567.89	+15.67	4,552.22	4,567.89	4,567.89	4,567.89	4,567.89	4,567.89	4,567.89
US INDICES									
Dow Jones	5,678.90	+25.43	5,653.47	5,678.90	5,678.90	5,678.90	5,678.90	5,678.90	5,678.90
S&P 500	4,567.89	+18.76	4,549.13	4,567.89	4,567.89	4,567.89	4,567.89	4,567.89	4,567.89
Nasdaq	3,456.78	+12.34	3,444.44	3,456.78	3,456.78	3,456.78	3,456.78	3,456.78	3,456.78
ASIA									
Hong Kong	12,345.67	+89.01	12,256.66	12,345.67	12,345.67	12,345.67	12,345.67	12,345.67	12,345.67
Taiwan	9,876.54	+67.89	9,808.65	9,876.54	9,876.54	9,876.54	9,876.54	9,876.54	9,876.54
Philippines	7,654.32	+45.67	7,608.65	7,654.32	7,654.32	7,654.32	7,654.32	7,654.32	7,654.32
AFRICA									
South Africa	5,432.10	+34.56	5,397.54	5,432.10	5,432.10	5,432.10	5,432.10	5,432.10	5,432.10
MIDDLE EAST									
Israel	3,210.98	+23.45	3,187.53	3,210.98	3,210.98	3,210.98	3,210.98	3,210.98	3,210.98
OCEANIA									
Australia	2,109.87	+11.23	2,098.64	2,109.87	2,109.87	2,109.87	2,109.87	2,109.87	2,109.87
NORTH AMERICA									
Canada	1,234.56	+7.89	1,226.67	1,234.56	1,234.56	1,234.56	1,234.56	1,234.56	1,234.56
Mexico	987.65	+5.43	982.22	987.65	987.65	987.65	987.65	987.65	987.65

## INDICES

Index	Dec 22	Dec 21	Dec 20	High	Low
Australia	2,109.87	+11.23	2,098.64	2,109.87	2,098.64
Canada	1,234.56	+7.89	1,226.67	1,234.56	1,226.67
France	2,345.67	+12.34	2,333.33	2,345.67	2,333.33
Germany	3,210.98	+18.76	3,192.22	3,210.98	3,192.22
Italy	1,876.54	+9.87	1,866.67	1,876.54	1,866.67
Japan	15,678.90	+120.45	15,558.45	15,678.90	15,558.45
Netherlands	2,109.87	+11.23	2,098.64	2,109.87	2,098.64
Norway	1,234.56	+7.89	1,226.67	1,234.56	1,226.67
Spain	3,456.78	+14.56	3,442.22	3,456.78	3,442.22
Sweden	1,567.89	+8.90	1,558.99	1,567.89	1,558.99
Switzerland	2,345.67	+10.12	2,335.55	2,345.67	2,335.55
UK	4,567.89	+15.67	4,552.22	4,567.89	4,552.22
US	5,678.90	+25.43	5,653.47	5,678.90	5,653.47

## US INDICES

Index	Dec 22	Dec 21	Dec 20	High	Low
Dow Jones	5,678.90	+25.43	5,653.47	5,678.90	5,653.47
S&P 500	4,567.89	+18.76	4,549.13	4,567.89	4,549.13
Nasdaq	3,456.78	+12.34	3,444.44	3,456.78	3,444.44
NYSE	2,345.67	+10.12	2,335.55	2,345.67	2,335.55
AMEX	1,234.56	+7.89	1,226.67	1,234.56	1,226.67
NYSE	987.65	+5.43	982.22	987.65	982.22
AMEX	765.43	+4.56	760.87	765.43	760.87
NYSE	543.21	+3.45	539.76	543.21	539.76
AMEX	321.09	+2.34	318.75	321.09	318.75
NYSE	109.87	+1.23	108.64	109.87	108.64
AMEX	87.65	+0.89	86.76	87.65	86.76
NYSE	65.43	+0.67	64.76	65.43	64.76
AMEX	43.21	+0.45	42.76	43.21	42.76
NYSE	21.09	+0.23	20.86	21.09	20.86
AMEX	9.87	+0.12	9.75	9.87	9.75

## RATIOS

Ratio	Dec 22	Dec 21	Dec 20	High	Low
Dow Jones Ind. Div. Yield	2.80	2.80	2.84	2.80	2.87
S&P 500 Ind. Div. Yield	2.47	2.47	2.48	2.47	2.45
S&P 500 P/E Ratio	18.40	18.40	18.42	18.40	18.42
NYSE	18.40	18.40	18.42	18.40	18.42
AMEX	18.40	18.40	18.42	18.40	18.42
NYSE	18.40	18.40	18.42	18.40	18.42
AMEX	18.40	18.40	18.42	18.40	18.42
NYSE	18.40	18.40	18.42	18.40	18.42
AMEX	18.40	18.40	18.42	18.40	18.42
NYSE	18.40	18.40	18.42	18.40	18.42
AMEX	18.40	18.40	18.42	18.40	18.42
NYSE	18.40	18.40	18.42	18.40	18.42
AMEX	18.40	18.40	18.42	18.40	18.42
NYSE	18.40	18.40	18.42	18.40	18.42
AMEX	18.40	18.40	18.42	18.40	18.42

## STANDARD AND POORE'S 500 INDEX FUTURES

Index	Dec 22	Dec 21	Dec 20	High	Low
Dec	5,678.90	+25.43	5,653.47	5,678.90	5,653.47
Jan	4,567.89	+18.76	4,549.13	4,567.89	4,549.13
Feb	3,456.78	+12.34	3,444.44	3,456.78	3,444.44
Mar	2,345.67	+10.12	2,335.55	2,345.67	2,335.55
Apr	1,234.56	+7.89	1,226.67	1,234.56	1,226.67
May	987.65	+5.43	982.22	987.65	982.22
Jun	765.43	+4.56	760.87	765.43	760.87
Jul	543.21	+3.45	539.76	543.21	539.76
Aug	321.09	+2.34	318.75	321.09	318.75
Sep	109.87	+1.23	108.64	109.87	108.64
Oct	87.65	+0.89	86.76	87.65	86.76
Nov	65.43	+0.67	64.76	65.43	64.76
Dec	43.21	+0.45	42.76	43.21	42.76

## NEW YORK ACTIVE STOCKS

Stock	Dec 22	Dec 21	Dec 20	High	Low
Alcoa	13,049.00	446	-14	13,049.00	13,049.00
Amgen	5,678.90	18	-4	5,678.90	5,678.90
Amgen	4,567.89	18	-4	4,567.89	4,567.89
Amgen	3,456.78	18	-4	3,456.78	3,456.78
Amgen	2,345.67	18	-4	2,345.67	2,345.67
Amgen	1,234.56	18	-4	1,234.56	1,234.56
Amgen	987.65	18	-4	987.65	987.65
Amgen	765.43	18	-4	765.43	765.43
Amgen	543.21	18	-4	543.21	543.21
Amgen	321.09	18	-4	321.09	321.09
Amgen	109.87	18	-4	109.87	109.87
Amgen	87.65	18	-4	87.65	87.65
Amgen	65.43	18	-4	65.43	65.43
Amgen	43.21	18	-4	43.21	43.21

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Colgate	1.15	55	208	21	20%	20%	-3%			Pacifi	0.06	11	61	104	10	104%			Penn	1.00	9	798	45	44%	45			Wheat	23	570	17%	15%	16%	-1%
Dial	0.20	11	72	194	104%	18%	-2%			Valley	0.09	12	92	28%	27%	-1%			Windsor								Windsor	257	20	19%	17%	18	-1	
Glaxo	0.80	12	116	21%	31	21%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Eastman	0.58	16	2276	18%	15	15%	-3%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
East	0.08	0.01	2311	140	16	15%	-1%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Eastman	0.58	16	2276	18%	15	15%	-3%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
East	0.08	0.01	2311	140	16	15%	-1%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
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Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
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Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Eastman	0.58	16	2276	18%	15	15%	-3%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
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Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
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East	0.08	0.01	2311	140	16	15%	-1%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Eastman	0.58	16	2276	18%	15	15%	-3%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
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Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
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Eastman	0.58	16	2276	18%	15	15%	-3%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
East	0.08	0.01	2311	140	16	15%	-1%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Eastman	0.58	16	2276	18%	15	15%	-3%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
East	0.08	0.01	2311	140	16	15%	-1%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Conoco	0.32	10	2111	18	15%	-1%				Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
Eastman	0.58	16	2276	18%	15	15%	-3%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
East	0.08	0.01	2311	140	16	15%	-1%			Wing	0.34	32	127	17%	17%	-1%			WLS	14	2020	11%	11%	11%	11%			WLS	14	2020	11%	11%	11%	11%
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J&J Snack	14	131	12 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>2</sub>
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	- D -	Jacobs Inc.	0.28	15	71	9	8 1/4	8 1/2	-1/8	Powell	32	72	5 1/2	5 1/4	5 1/4	
DSC Co	2823540103-7	A.E. Ind x	0.10	11	20	38	37 1/2	38	+1	Pres Life x	0.09	3	630	5 1/2	4 1/2	4 1/2 -1/8

Dark Green	0.13	1	6	78	78	78	-1	Johnson W	18	3	18-2	18-2	18-2	-4	Prescott	222	755	48	454	454	-14
Dark Switch	41	1379	23	23	23	23	-8	James Int	10	595	131	127	13	-3	PerCont	1418472	134	124	134		
Dark								James Med	10	10	285	83	65	674	+11	PerCont	10	680	61	6	6

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Deh Shops	0.202231	41	4 $\frac{1}{2}$	64 $\frac{1}{2}$	4 $\frac{1}{2}$	-4	June Lig x	0.28	15	803	18 $\frac{1}{2}$	17 $\frac{1}{2}$	18 $\frac{1}{2}$	-1 $\frac{1}{2}$	Puritan B	0.12	10	3192	20 $\frac{1}{2}$	18 $\frac{1}{2}$	20	-4	York Rach	83	638	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	-1 $\frac{1}{2}$
Deleeth En	0.32	25	2801	121 $\frac{1}{2}$	20	20 $\frac{1}{2}$	+3	Justin	0.16	8	217	12	11 $\frac{1}{2}$	12	Pyramid	7	2201	12 $\frac{1}{2}$	12 $\frac{1}{2}$	12 $\frac{1}{2}$	+3 $\frac{1}{2}$	ZionsUah	1.20	8	82	35 $\frac{1}{2}$	34 $\frac{1}{2}$	34 $\frac{1}{2}$	-1 $\frac{1}{2}$

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